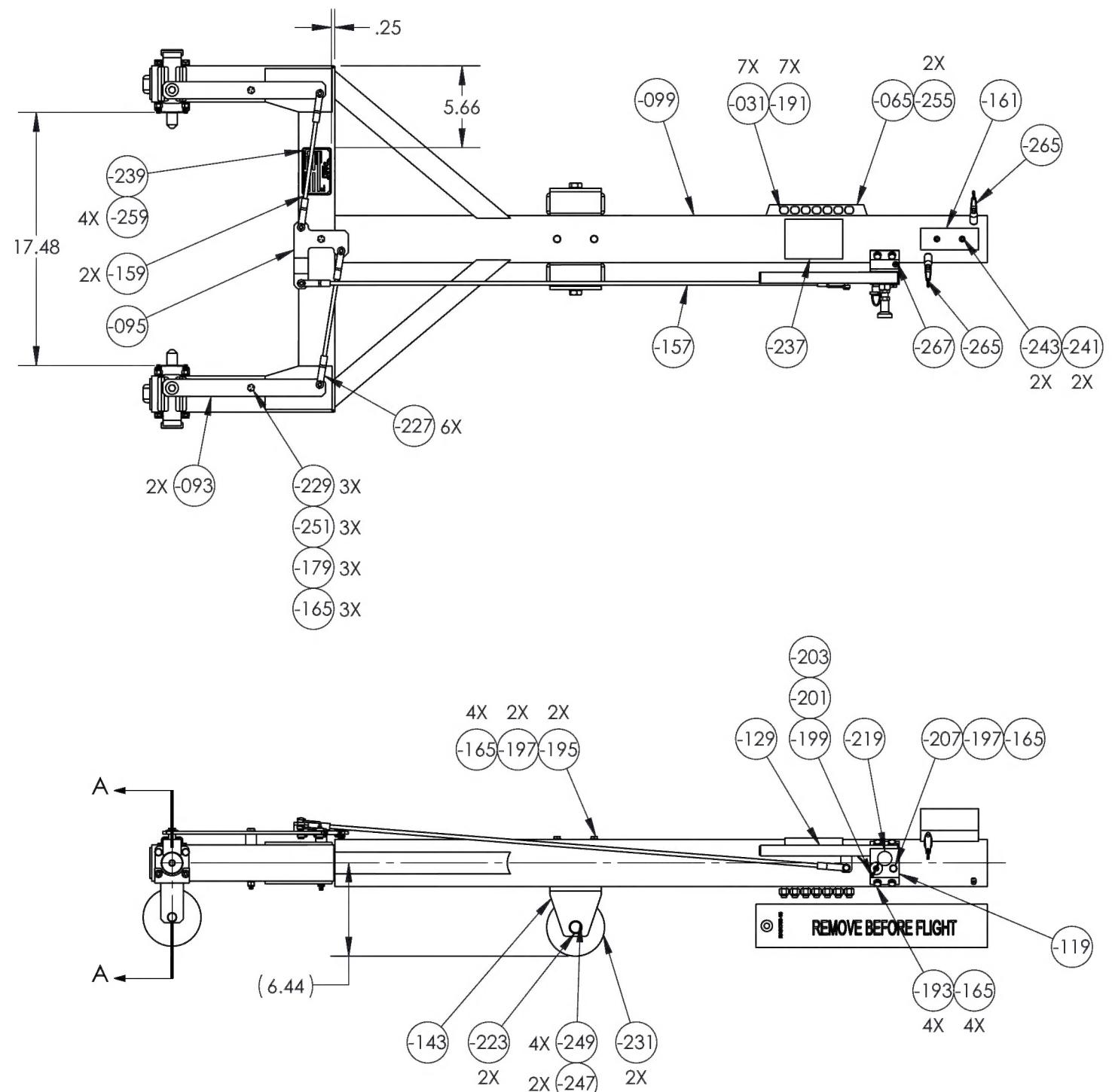
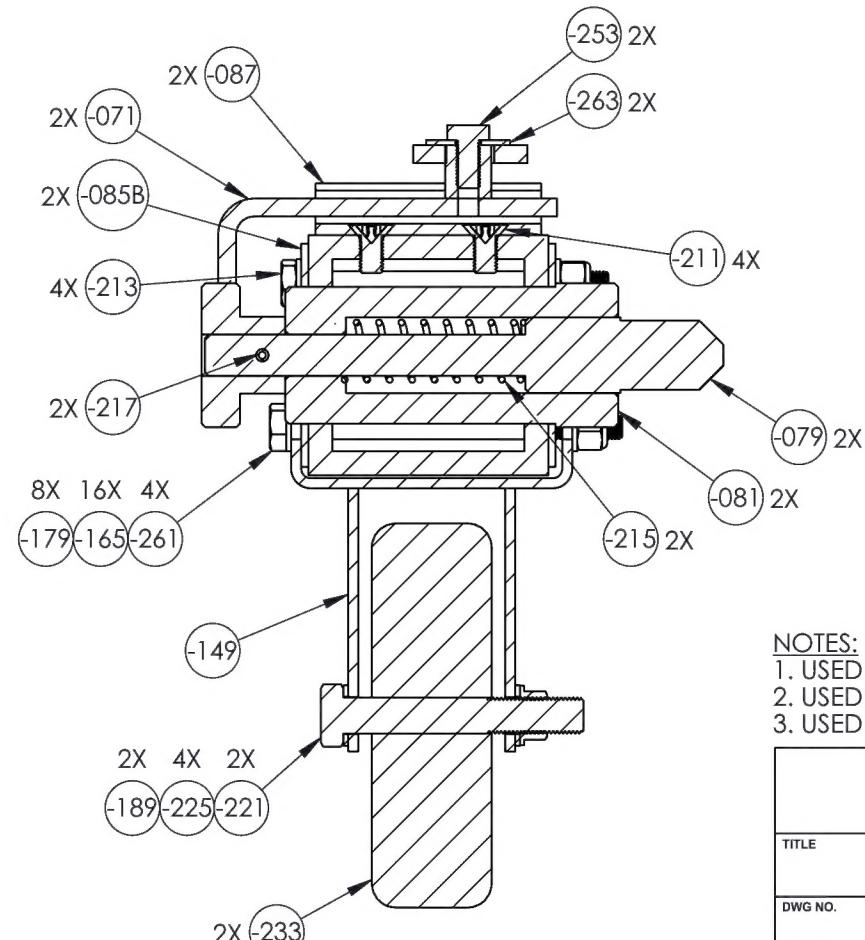


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REV			REVISIONS		
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		DELETED -063 FROM DWG. MADE REFERENCE IN BOM FOR -063 TO SEE RBW0905G12351-3G.	4/28/2010	RJC	
1A		REMOVED BREAK AWAY ASSY. PARTS -063, -173 THRU -177 & -181 THRU -187. REMOVED ASSOCIATED PAGES, AND RE-NUMBERED ALL PAGES & CORRECTED BOM.	5/19/2010	RJC	
2		-065 WAS 3 PART WELDMENT (-067, 2X -069) IS SINLGE PART. -31 SEPERATED TO OWN DWG. -95 CORRECTED ASSEMBLY TO -159. REMOVED TONGUE ASSEMBLY PARTS -3 THRU -51. REMOVED ASSOC. PAGES, RENUMBERED PAGES, ADDED TONGUE ASSEMBLY REF RBW0905G00134-3G-01. -052 ADDED BREAK AWAY ASSEMBLY RBW0905G12631-3G. CORRECTED BOM.	1/23/2013	BIM	SE
2A	14-0158	CH'D TITLEBLOCK WAS RED BARN IS DART. CH'D DIM TOLERANCES ON NON-CRITICAL DIM. REMOVED -001, -031 AND -052 FROM BOM. CH'D DRAWING # WAS RBW0905G00134-3G IS RBW0905G00134-3G-03. -073, -077, -089, -093, -103, -111, -113, -0121, -123, -125, -131, -133, -135, -137, -139, -141, -145, -147, -151, -153 CH'D SPECIFICATIONS. -119 ADDED NOTE. -121 ADDED AUX VIEW.	9/24/2014	DJN	JAG
3	14-0228	-097 CH'D CENTER HOLE WAS 1/4-28 UNF THRU ALL. -101 CH'D DIMENSION WAS 2X .0525 THRU ALL IS 2X Ø 316 THRU ALL. ADDED MISSING DIM. 2X 1/4-28 UNF V.5. CH'D DIM SECTION D-D AND E-E WAS Ø .257 THRU ALL IS Ø .3165 - .3125. -113 CH'D HOLE WAS 2X Ø .257 THRU ALL IS Ø .33. -115 CH'D MATERIAL WAS 6061 IS 6063. -251 ADDED DRAWING FOR MODIFIED B/O.	2/2/2015	RJC	JAG
4	16-0029	-081 MOVED FILLET WELD TO OPPOSITE SIDE. -087 CH'D DIM WAS (.52) IS .520 +.030-.000. -089 CH'D COUNTERSINK WAS V Ø .47 IS V Ø .50. -093 CH'D DIM WAS .49 IS .50 +.01-.00. -099 CH'D WELD SYMBOL FOR -113, -105 & -107 DELETED DIM'S .66 & .81, ADDED DIM'S .59 & .44. -123 ADDED #10-32 HOLE. -151 CH'D DIM WAS 2.66 IS 2.720 +.030-.000. -161 CH'D DIM WAS 2X Ø .266 THRU ALL L U .44 V .63 2X Ø .22 THRU ALL L U Ø .38 V .63. -165 CH'D QTY. WAS 30 IS 28. -203 CH'D P/N WAS NAS 1756-18 IS NAS 1756-16. -207 CH'D MATERIAL WAS S.S. IS STEEL. -243 CH'D P/N WAS 91251A560 IS 91251A349. -257 CH'D P/N WAS 91090A107 IS 91117A201. -261 REPLACED 4X -213'S WITH P/N MCMASTER-CARR #91257A575. -263 -265 & -267 & CRATE ADDED TO BOM.	2/8/2016	RJC	JAG
5	17-0010	-085A & -085B CH'D DIM WAS .23 IS 2X .23, WAS .41 IS 2X .41. -093 CH'D DIM WAS 2X .60 IS 3X .60, ADDED DIM 2X FULL R. -099 CH'D WELD SYMBOL -105 & 103 WAS FILLET WELD ALL AROUND. .06 IS FILLET WELD ALL AROUND. -101 CH'D DIM WAS (.25 WALL) IS .25 WALL. -191 CH'D B/O PN WAS #917135A235 IS #90566A220.	3/18/2017	RJC	JAG



SECTION A-A  
SCALE 1 : 2

NOTES:  
1. USED IN ASSY RBW0905G00134-3G.  
2. USED WITH RBW0905G12631-3G.  
3. USED WITH RBW0905G00134-3G-01.

TITLE		REV	
TOW DOLLY		5	
DWG NO.		RBW0905G00134-3G-03	
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.000 ± .005 FRACTIONS ± 1/8	
TREAT		.00 ± .01 ANGLES ± 5°	
FINISH		X ± .1 SURFACES = 125	
SPEC		1. BREAK ALL SHARP EDGES .015 x 45° OR. 015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:		PERRITT	
CHECKED:		MACKOVJAK	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
SCALE	1:10	DATE	2/12/2010
SHEET 1 OF 49			

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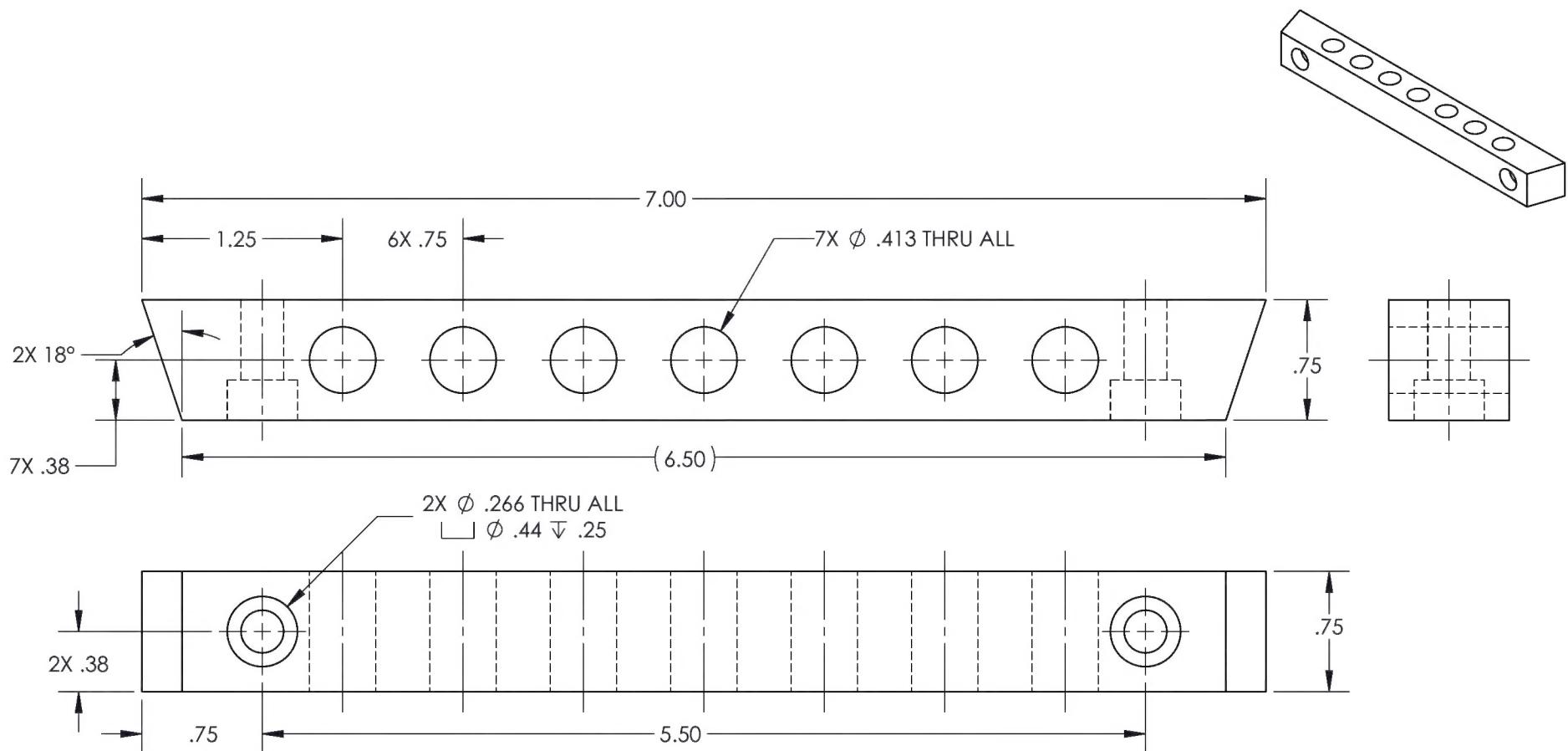
										REVISIONS		
REV	ECR	DESCRIPTION								DATE	INITIAL	APPROVED

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	
										-031	7	TONGUE SHEAR BOLT		DART #RBW0905G01652-3G	1	
										-065	1	TONGUE SHEAR BOLT HOLDER	6061		3	
									X	-071	2	PIN SLIDE WELDMENT			4	
										1	-073	SLIDE BAR	A36/1018/1020 HR		5	
										1	-075	PIN ATTACHMENT	A36/1018/1020 HR		6	
										1	-077	BUSHING	A36/1018/1020 HR		7	
										-079	2	PIN	4140/4142		8	
									X	-081	2	PIN HOUSING WELDMENT			9	
										1	-083	PIN HOUSING	A36/1018/1020 HR		10	
										1	-085A	HOUSING PLATE	A36/1018/1020 HR		11	
										-085B	2	HOUSING PLATE	A36/1018/1020 HR		11	
									X	-087	2	GUIDE WELDMENT			12	
										1	-089	GUIDE PLATE	1018/1020 CR		13	
										2	-091	GUIDE	1018/1020 CR		14	
											-093	2	TRANSFER BAR	6061		15
											-095	1	TIE ROD PIVOT	6061		16
										3	-097	RISER	6061		17	
									X	-099	1	FRAME WELDMENT			18	
										1	-101	FRAME TUBE	6061		19	
										1	-103	FRONT	6061		20	
										1	-105	RIGHT SIDE	6061		21	
										1	-107	LEFT SIDE	6061		22	
										2	-109	BRACE	6061		23	
										4	-111	GUSSET	6061		24	
										1	-113	WHEEL PLATE	6061		25	
										1	-115	CHANNEL	6063		26	
										2	-117	END CAP	6061		27	
									X	-119	1	HANDLE BRACKET WELDMENT			28	
										1	-121	BASE	A36/1018/1020 HR		29	
										1	-123	INSIDE	A36/1018/1020 HR		30	
										1	-125	OUTSIDE	A36/1018/1020 HR		31	
										1	B/O	-127	NUT	STEEL M12X1.5 (MCMASTER-CARR #91415A235)	28	
									X		-129	1	HANDLE WELDMENT			32
										1	-131	END CAP	A36/1018/1020 HR		33	
										2	-133	SIDE PLATE	A36/1018/1020 HR		34	
										1	-135	BACK END	A36/1018/1020 HR		35	
										1	-137	FRONT END	A36/1018/1020 HR		36	
										1	-139	TAB	A36/1018/1020 HR		37	
										1	-141	HANDLE	STEEL		38	
									X	-143	1	FRONT WHEEL BRACKET WELDMENT			39	
										1	-145	FRONT WHEEL BRACKET FRAME	A36/1018/1020 HR		40	
										2	-147	FRONT WHEEL BRACKET GUSSET	A36/1018/1020 HR		41	
									X		-149	2	REAR WHEEL BRACKET WELDMENT			42
										1	-151	REAR WHEEL FRAME	A36/1018/1020 HR		43	
										2	-153	REAR WHEEL VERT. SUPPORT	A36/1018/1020 HR		44	
											-157	1	THREADED ROD	1018/1020 CR		45
											-159	2	THREADED ROD	1018/1020 CR		46
											-161	1	PAD	URETHANE 60A 1-1/2 X 1-1/2 X 4-1/8 (MCMASTER CARR #8644K24)	47	
										B/O	-165	28	FLAT WASHER	S.S. Ø1/4 AN960-416	1	
										B/O	-179	11	HEX LOCKNUT	STEEL 1/4-28 UNF (MCMASTER-CARR #95615A130)	1	
										B/O	-189	2	LOCK NUT	STEEL 3/8-24 UNF (MCMASTER-CARR #95307A700)	1	
										B/O	-191	7	THIN NYLON INSERT LOCK NUT	STEEL 3/8-24 UNF (MCMASTER-CARR #90566A220)	1	
										B/O	-193	4	HEX HEAD CAP SCREW	S.S. 1/4-28 UNF X 1/2 AN4-4A	1	
										B/O	-195	2	HEX HEAD CAP SCREW	S.S. 1/4-28 UNF X 4 AN4-40A	1	
										B/O	-197	3	LOCK NUT	STEEL 1/4-28 UNF (MCMASTER-CARR #95307A500)	1	
ASSY -149	ASSY -143	ASSY -129	ASSY -119	ASSY -99	ASSY -87	ASSY -81	ASSY -71									

ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.								
										-199	1	BALL LOCK PIN	S.S.	Ø1/4 X 1 (MCMASTER-CARR 92384A034)	1
									B/O	-201	1	LANYARD, LOOP TO LOOP	COATED STEEL	Ø1/16 WIRE X 6 (CARR LANE #CL-2-C)	1
									B/O	-203	1	REMOVE BEFORE FLIGHT	NYLON	NAS 1756-16	1
									B/O	-207	1	HEX HEAD CAP SCREW	STEEL	1/4-28 UNF X 1-1/4 AN4-12A	1
									B/O	-211	4	FLAT HEAD SCREW	STEEL	1/4-28 UNF X 1/2 (MCMASTER-CARR #90273A557)	1
									B/O	-213	4	HEX HEAD CAP SCREW	STEEL	1/4-28 UNF X 3-1/4 (MCMASTER-CARR #91257A574)	1
									B/O	-215	2	COMPRESSION SPRING	SPRING STEEL	OD Ø3/4 X 2 CENTURY SPRING #10226	1
									B/O	-217	2	ROLL PIN	STEEL	Ø1/8 X 3/4 (MCMASTER-CARR #90692A698)	1
									B/O	-219	1	LOCKING INDEXING PLUNGER</			

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REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
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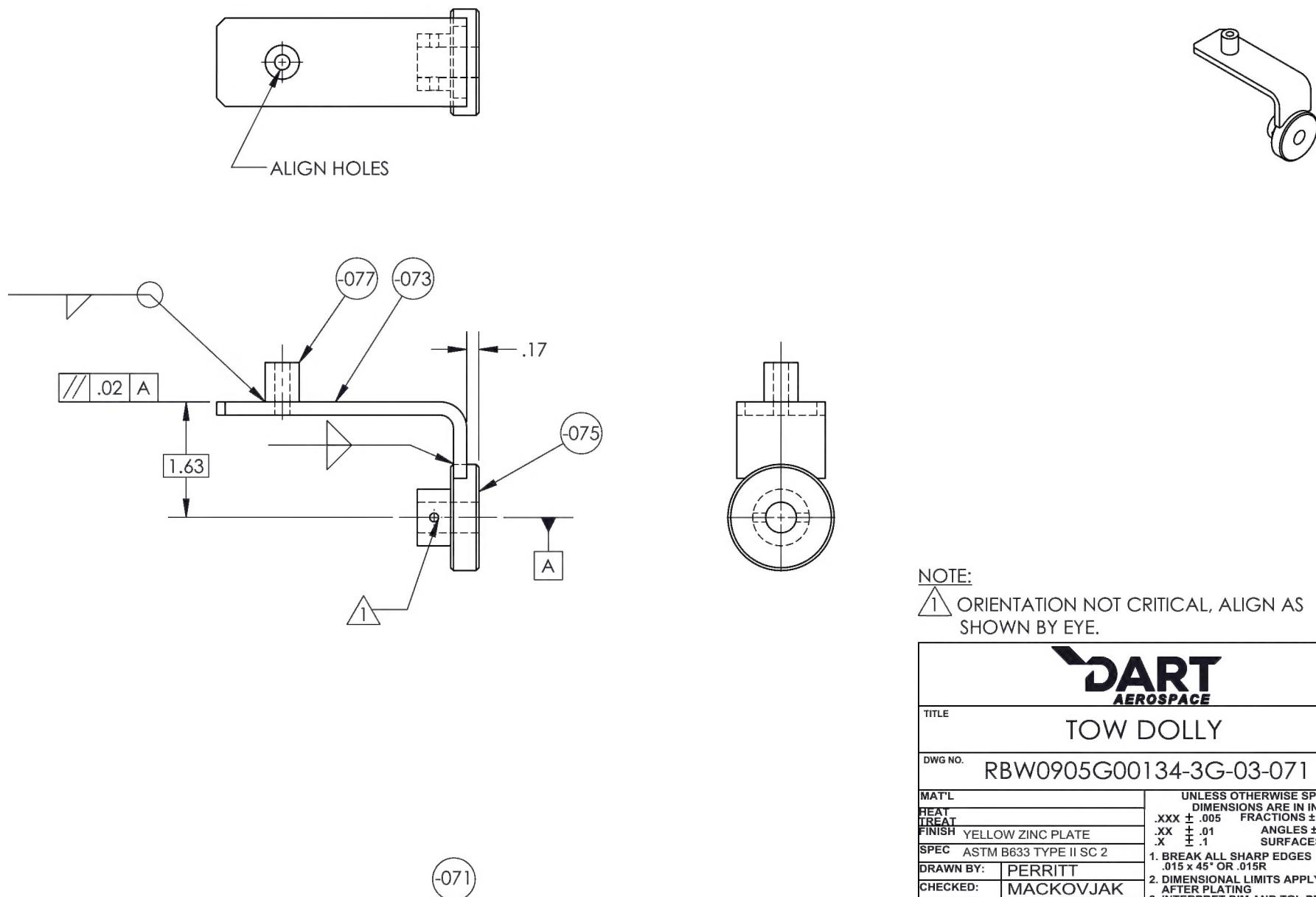
TONGUE SHEAR BOLT HOLDER

-065

	
TITLE	
TOW DOLLY	
DWG NO.	RBW0905G00134-3G-03-065
REV	5
MAT'L	6061
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
MIL-A-8625F, TYPE II, CLASS I	X ± .1 SURFACES = 125 ✓
DRAWN BY:	CLOUGH
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
AGUSTA AW139	
SCALE	1:1
DATE	11/19/2012
SHEET 3 OF 49	

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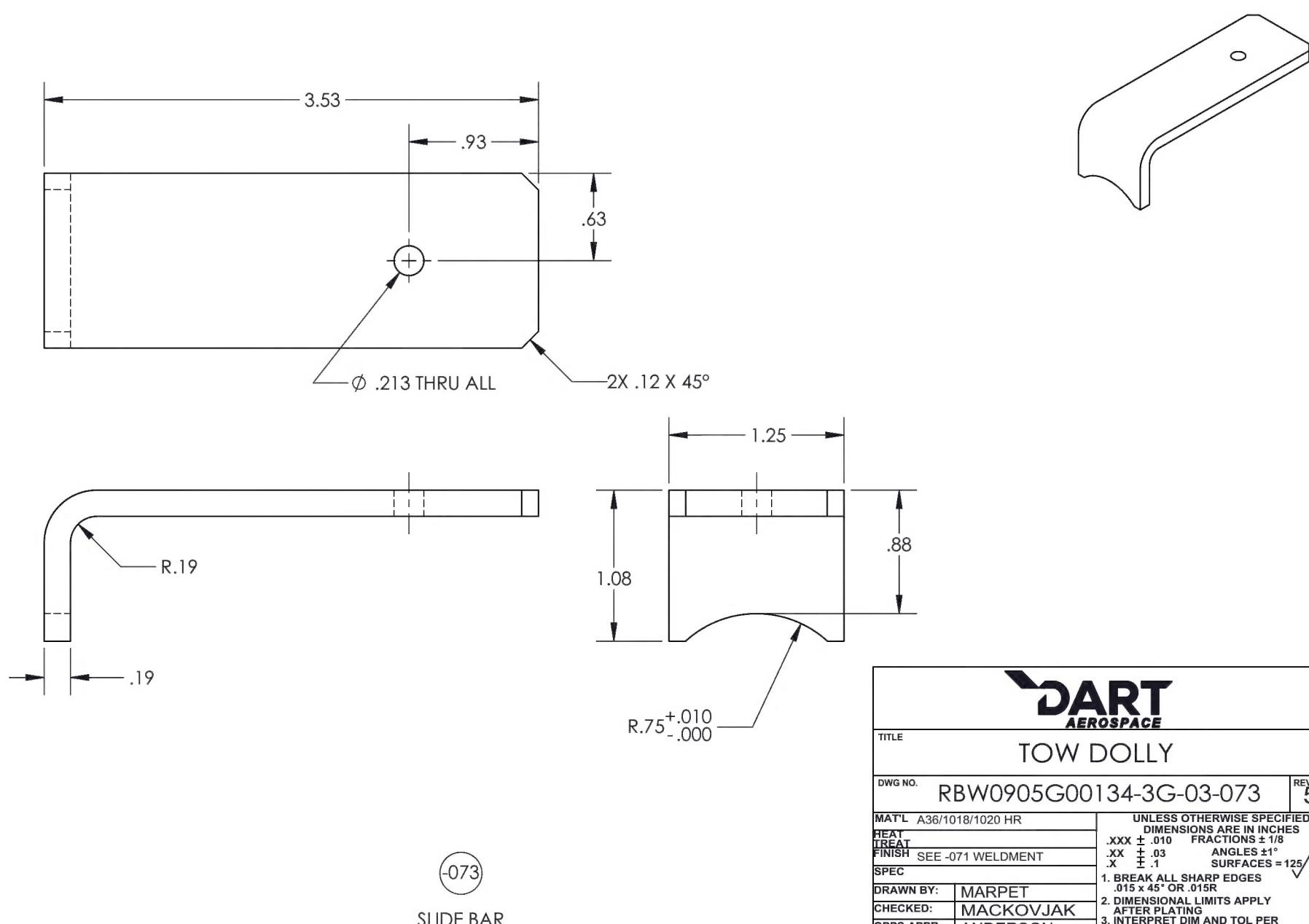
REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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<b>DART</b> AEROSPACE																					
TITLE																					
TOW DOLLY																					
DWG NO. RBW0905G00134-3G-03-071																					
REV 5																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">MATERIAL</td> <td style="width: 50%;">UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>HEAT</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td>TREAT</td> <td>.XX ± .01 ANGLES ± 5°</td> </tr> <tr> <td>FINISH</td> <td>X ± .1 SURFACES = 125 ✓</td> </tr> <tr> <td colspan="2">SPEC ASTM B633 TYPE II SC 2</td> </tr> <tr> <td>DRAWN BY: PERRITT</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>CHECKED: MACKOVJAK</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>USED ON MODEL</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>AGUSTA AW139</td> </tr> </table>		MATERIAL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	HEAT	.XXX ± .005 FRACTIONS ± 1/8	TREAT	.XX ± .01 ANGLES ± 5°	FINISH	X ± .1 SURFACES = 125 ✓	SPEC ASTM B633 TYPE II SC 2		DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	QA APPR: LINDSAY	USED ON MODEL	APPROVED: GILBERT	AGUSTA AW139
MATERIAL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES																				
HEAT	.XXX ± .005 FRACTIONS ± 1/8																				
TREAT	.XX ± .01 ANGLES ± 5°																				
FINISH	X ± .1 SURFACES = 125 ✓																				
SPEC ASTM B633 TYPE II SC 2																					
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																				
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																				
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																				
QA APPR: LINDSAY	USED ON MODEL																				
APPROVED: GILBERT	AGUSTA AW139																				
SCALE 1:2	DATE 2/12/2010																				
SHEET 4 OF 49																					

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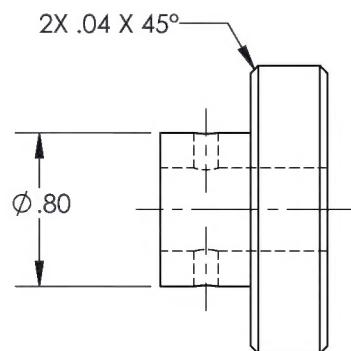
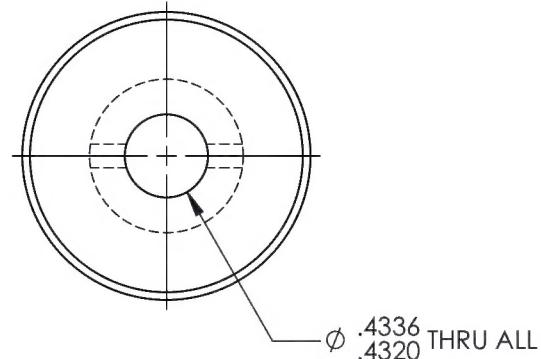
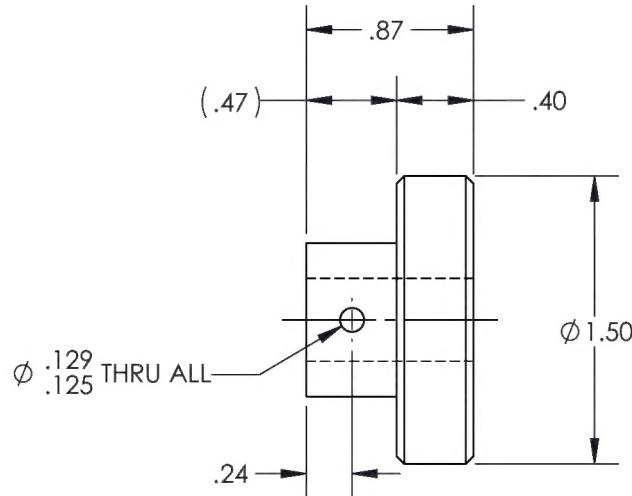
REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
		APPROVED		



<b>DART</b> AEROSPACE		TITLE	
			TOW DOLLY
DWG NO.		RBW0905G00134-3G-03-073	
REV		5	
MAT'L		A36/1018/1020 HR	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX $\pm$ .010 FRACTIONS $\pm$ 1/8	
SEE -071 WELDMENT		.XX $\pm$ .03 ANGLES $\pm$ 1°	
SPEC		X $\pm$ .1 SURFACES = 125 ✓	
DRAWN BY:		MARPET	
CHECKED:		MACKOVJAK	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
USED ON MODEL		AGUSTA AW139	
SCALE	1:1	DATE	1/31/2013
SHEET 5 OF 49			

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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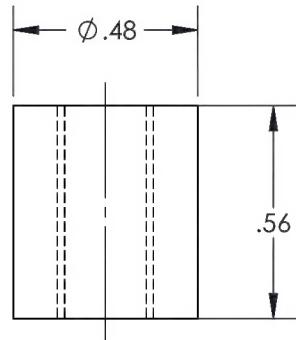
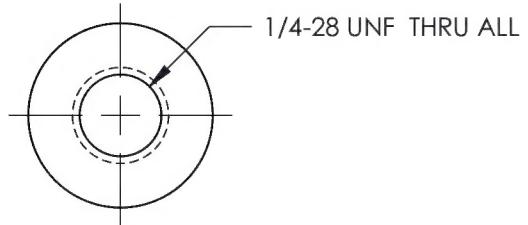
-075

PIN ATTACHMENT

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-075 REV 5	
MAT'L A36/1018/1020 HR UNLESS OTHERWISE SPECIFIED	
HEAT DIMENSIONS ARE IN INCHES	
TREAT .XXX ± .005 FRACTIONS ± 1/8	
FINISH SEE -071 WELDMENT .XX ± .01 ANGLES ± 5°	
SPEC .X ± .1 SURFACES = 125 ✓	
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 11/20/2012
SHEET 6 OF 49	

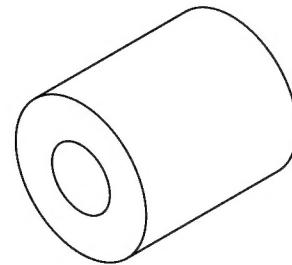
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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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-077

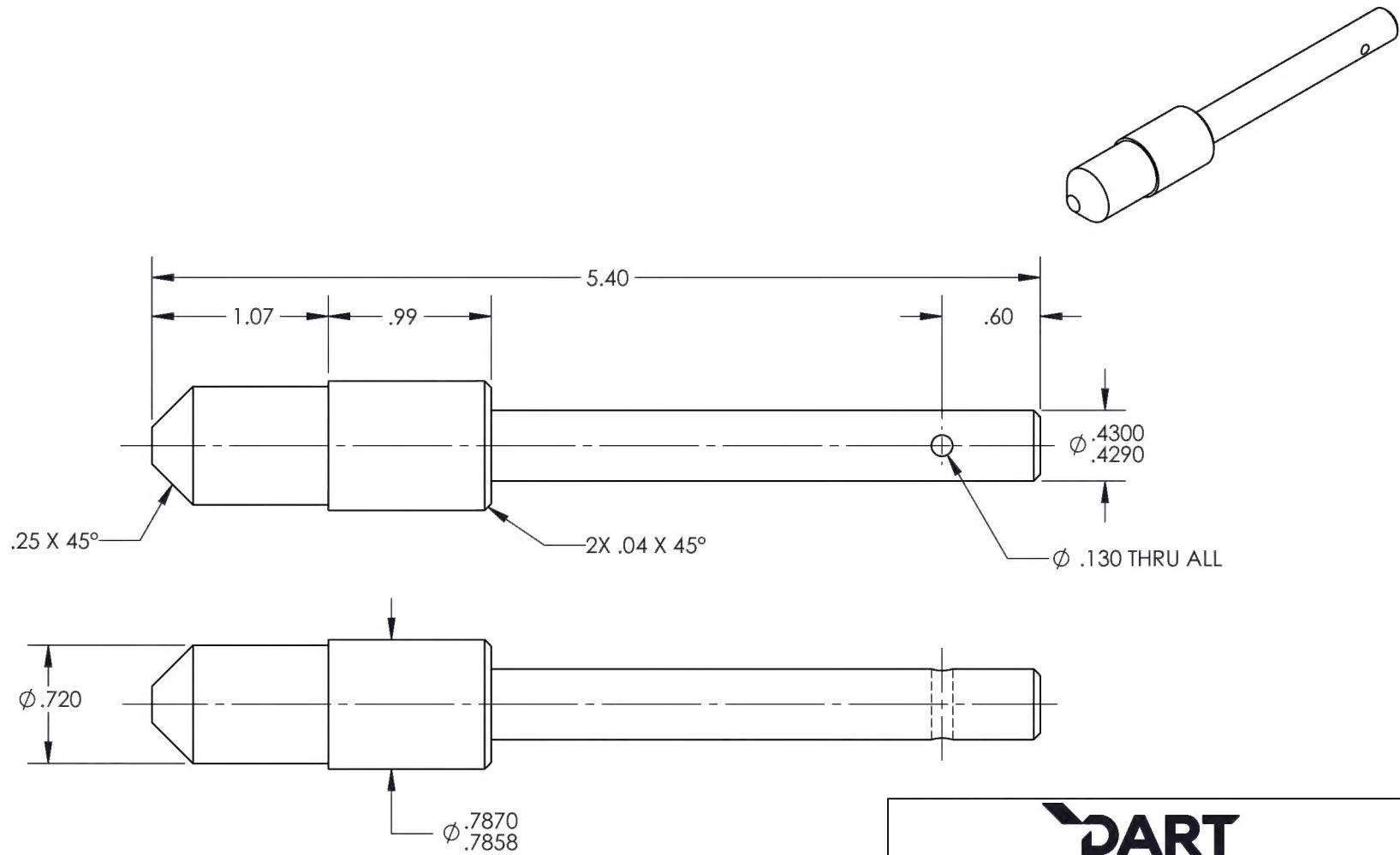
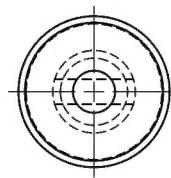
BUSHING



DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-077	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY USED ON MODEL	
APPROVED: GILBERT AGUSTA AW139	
SCALE 2:1	DATE 11/19/2012
SHEET 7 OF 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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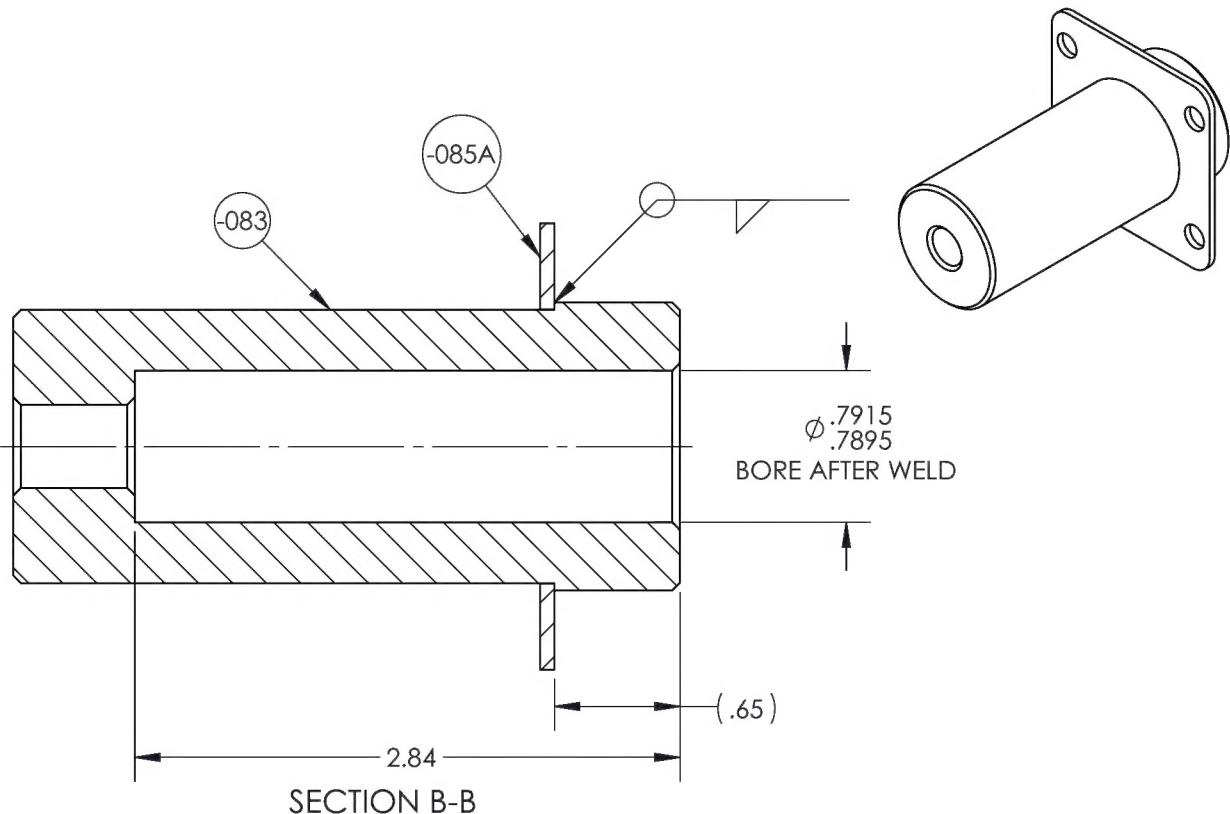
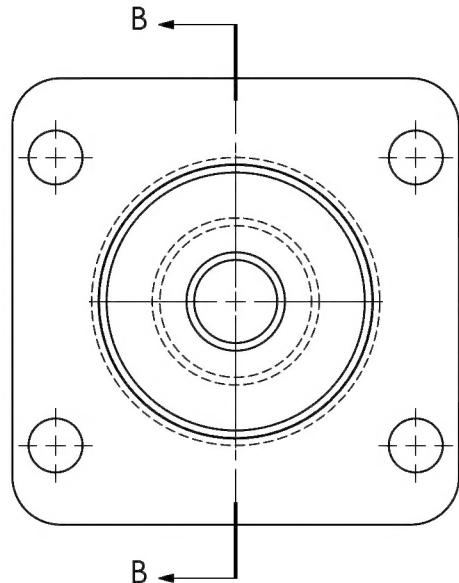
-079

PIN

TITLE		DART AEROSPACE
DWG NO.		RBW0905G00134-3G-03-079
REV		5
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
.XXX ± .005 FRACTIONS ± 1/8		
.XX ± .01 ANGLES ± 5°		
X ± .1 SURFACES = 125 ✓		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
USED ON MODEL		
AGUSTA AW139		
SCALE	1:1	DATE 11/28/2012
SHEET 8 OF 49		

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
4	16-0029		-081 MOVED FILLET WELD TO OPPOSITE SIDE.						2/8/2016			RJC			JAG		



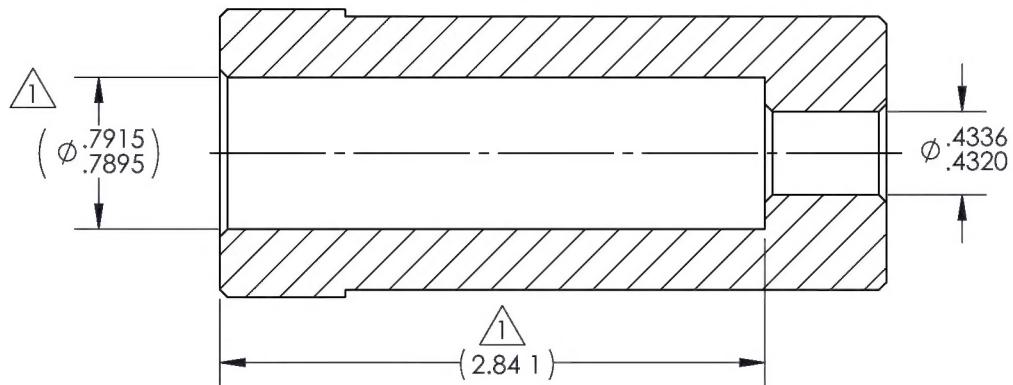
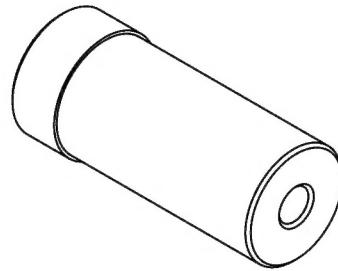
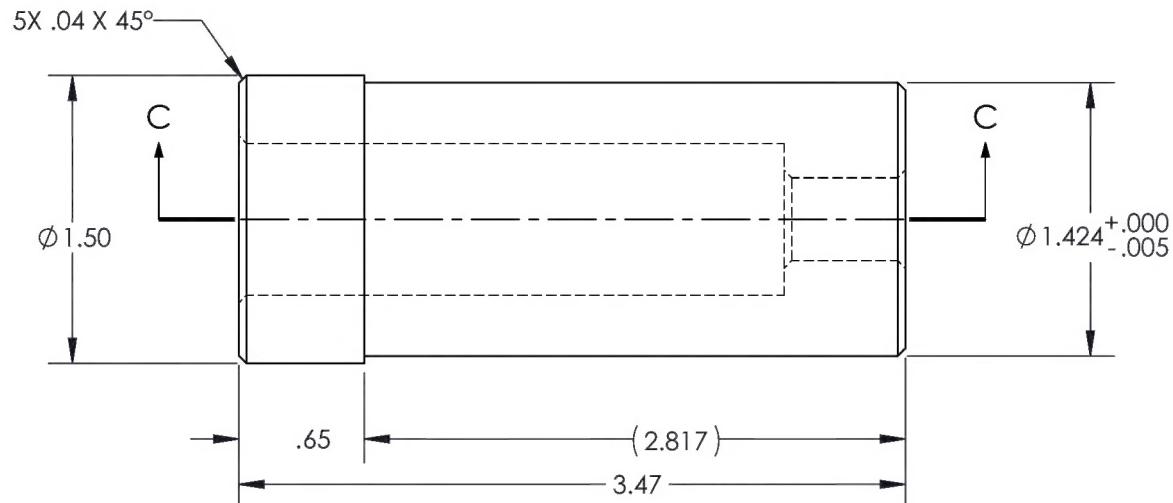
PIN HOUSING WELDMENT

-081

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-081	
REV 5	
MAT'L	
HEAT	
TREAT	
FINISH YELLOW ZINC PLATE	
SPEC ASTM B633 TYPE II SC 2	
DRAWN BY:	MARPET
CHECKED BY:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE	1:1
DATE	1/30/2013
SHEET 9 OF 49	

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REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
				APPROVED



SECTION C-C

-083

PIN HOUSING

NOTE:

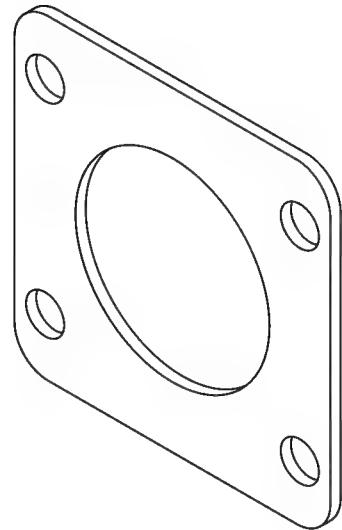
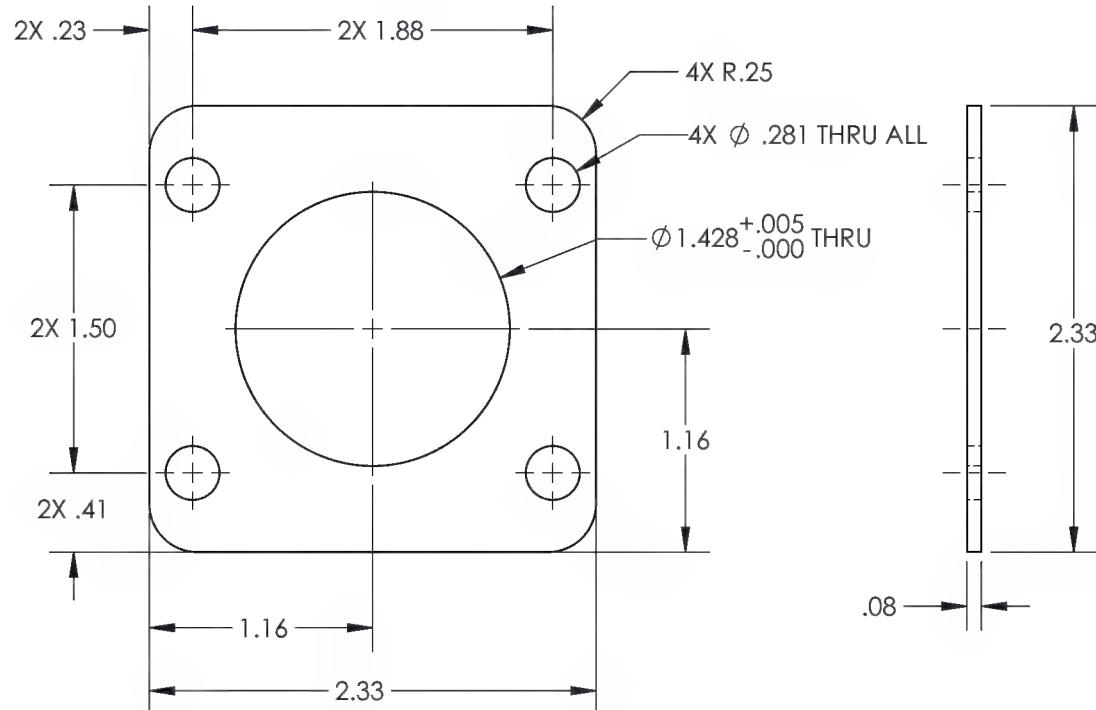
⚠ AFTER WELDING SEE -81 FINISH BORE TO ACHIEVE DIMENSION



TITLE		REV
TOW DOLLY		5
DWG NO.		RBW0905G00134-3G-03-083
MATERIAL		A36/1018/1020 HR
HEAT		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .005 FRACTIONS ± 1/8
SEE -81 WELDMENT		.XX ± .01 ANGLES ± 5°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		GILBERT
CHECKED:		MACKOVJAK
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		USED ON MODEL
GILBERT		AGUSTA AW139
SCALE	1:1	DATE 11/20/2012 SHEET 10 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	17-0010	-085A & -085B CH'D DIM WAS .23 IS 2X .23, WAS .41 IS 2X .41.	3/18/2017	RJC	JAG



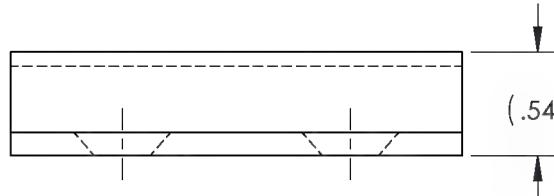
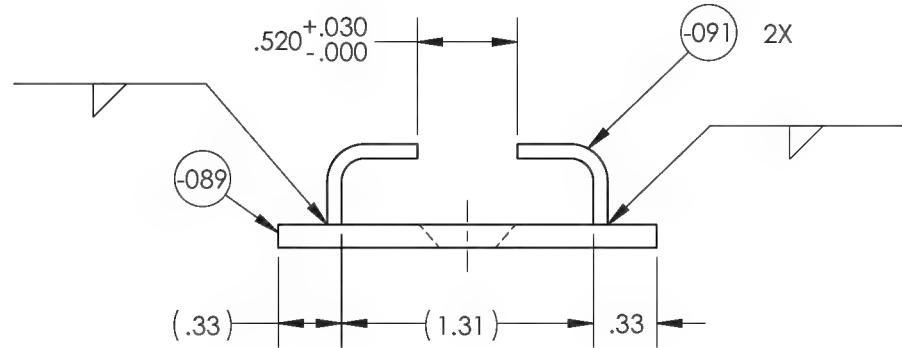
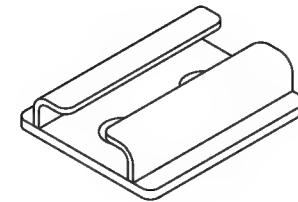
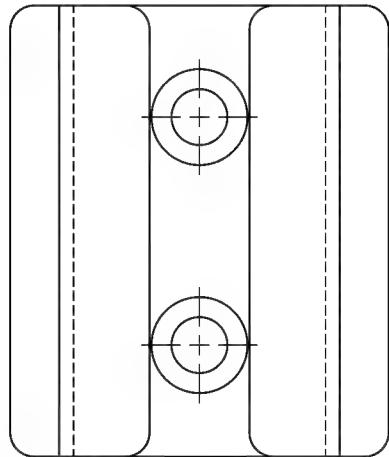
-085A      -085B  
HOUSING PLATE

-085A	2	NO FINISH, SEE -81 WELDMENT
-085B	2	YELLOW ZINC .0002 - .0004 FINISH

TITLE		DART AEROSPACE	
TOW DOLLY			
DWG NO.	RBW0905G00134-3G-03-085B	REV	5
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .010 FRACTIONS ± 1/8	
TREAT		.XX ± .03 ANGLES ± 1°	
FINISH SEE TABLE		X ± .1 SURFACES = 125	
SPEC		✓	
DRAWN BY:	CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:	MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	AGUSTA AW139	
SCALE	1:1	DATE	11/19/2012
			SHEET 11 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-087 CH'D DIM WAS (.52) IS .520 +.030-.000.	2/9/2016	RJC	JAG



-087

GUIDE WELDMENT

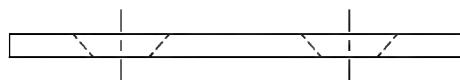
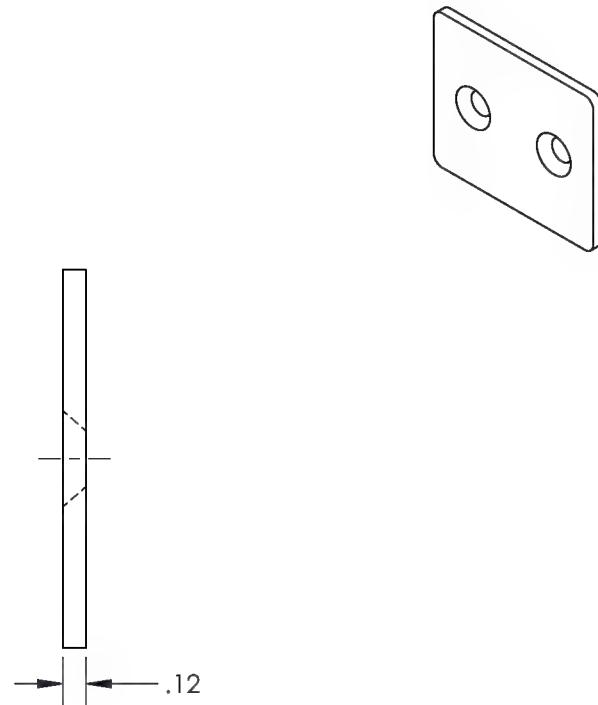
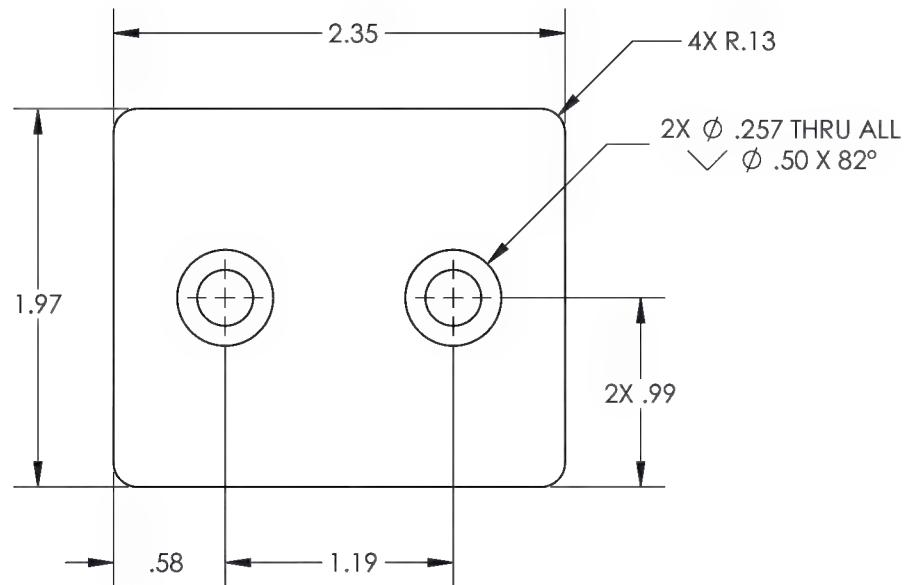
TITLE		REV
TOW DOLLY		5
DWG NO.		RBW0905G00134-3G-03-087
MAT'L		
HEAT		
TREAT		
FINISH YELLOW ZINC PLATE		
SPEC ASTM B633 TYPE II SC 2		
DRAWN BY:	MARPET	
CHECKED:	MACKOVJAK	
OPPS APPR:	ANDERSON	
QA APPR:	LINDSAY	
APPROVED:	GILBERT	
USED ON MODEL AGUSTA AW139		
SCALE	1:1	DATE 1/30/2013
SHEET 12 OF 49		

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .010 FRACTIONS ± 1/8  
.XX ± .03 ANGLES ± 1°  
X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
4	16-0029		-089 CH'D COUNTERSINK WAS ✓ Ø.47 IS ✓ Ø.50.						2/9/2016			RJC			JAG		



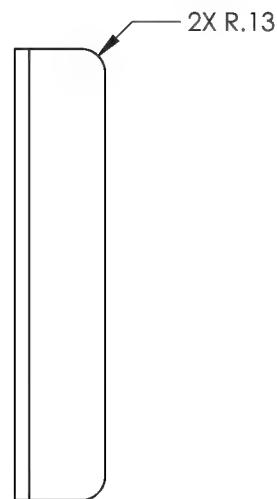
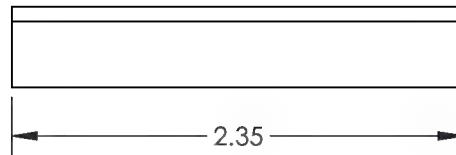
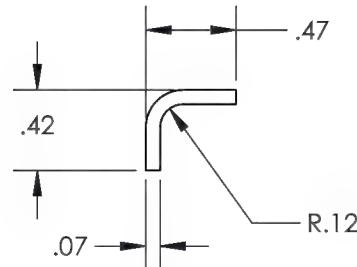
-089

GUIDE PLATE

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-089	
REV 5	
MAT'L 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.000 ± .010 FRACTIONS ± 1/8	
.000 ± .03 ANGLES ± 1°	
.015 x 45° OR .015R SURFACES = 125	
1. BREAK ALL SHARP EDGES ✓	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL AGUSTA AW139	
SCALE 1:1	DATE 11/19/2012
SHEET 13 OF 49	

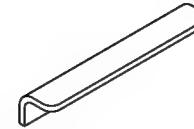
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REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL		APPROVED	



-091

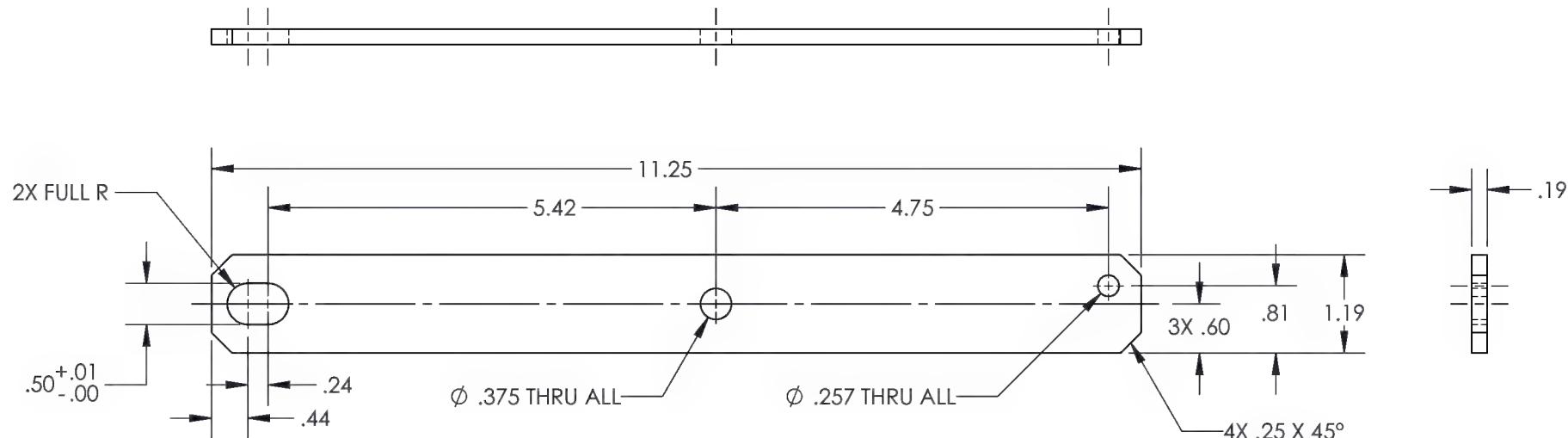
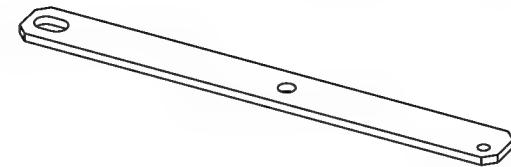
GUIDE



DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-091	
REV 5	
MAT'L 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE 1:1	DATE 11/19/2012
SHEET 14 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-093 CH'D DIM WAS .49 IS .50 +.01-.00.	2/9/2016	RJC	JAG
5	17-0010	-093 CH'D DIM WAS 2X .60 IS 3X .60, ADDED DIM 2X FULL R.	3/18/2017	RJC	JAG



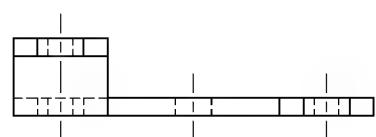
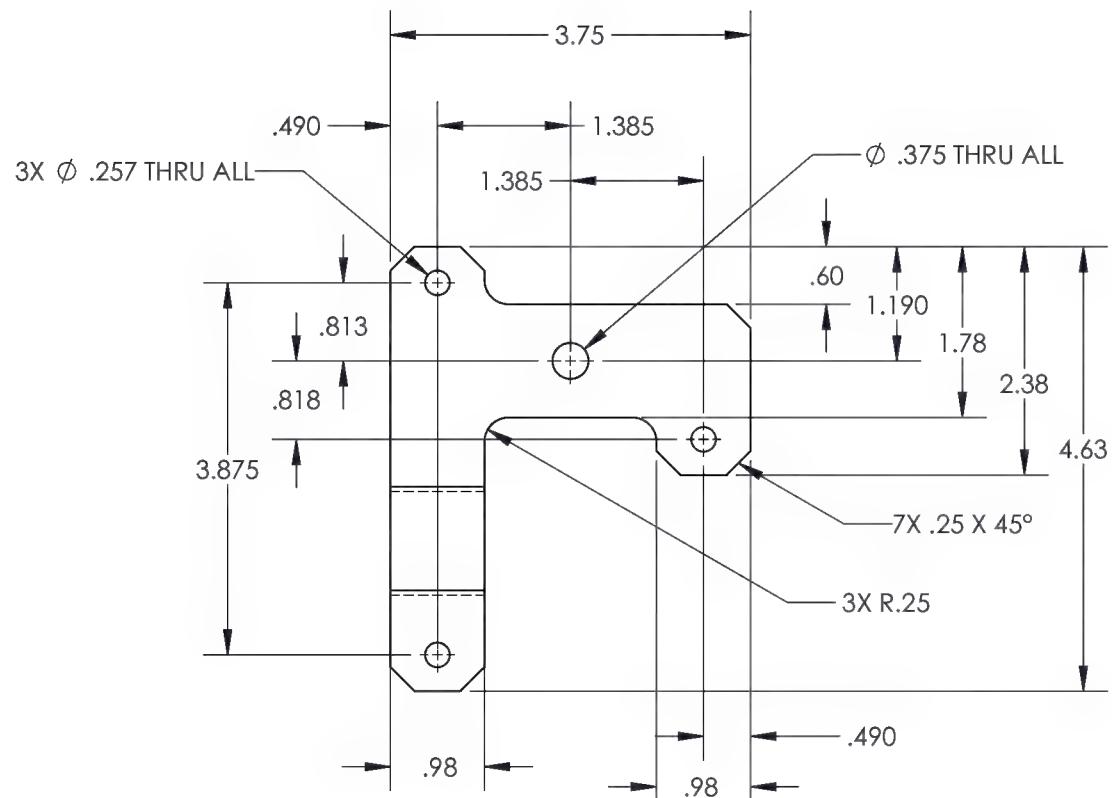
-093

TRANSFER BAR

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-093	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.000 ± .010 FRACTIONS ± 1/8	
.000 ± .03 ANGLES ± 1°	
.015 x 45° OR .015R SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES	
2. DIMENSIONAL LIMITS APPLY	
3. INTERPRET DIM AND TOL PER	
ASME Y14.5M-2009	
USED ON MODEL	
GILBERT AGUSTA AW139	
SCALE	1:2
DATE	1/24/2013
SHEET 15 OF 49	

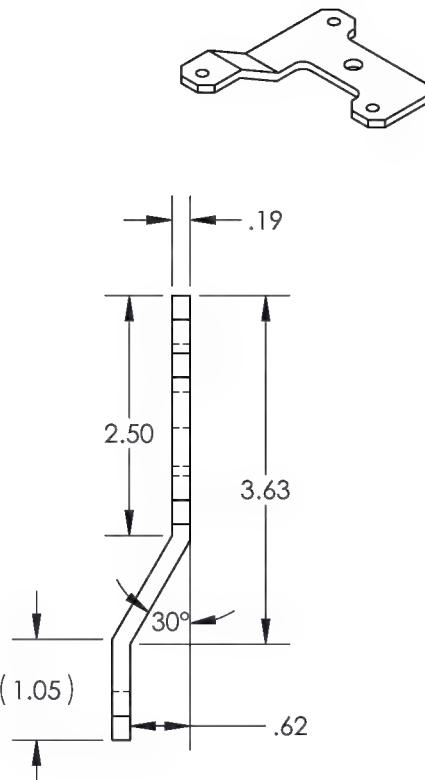
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REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL



-095

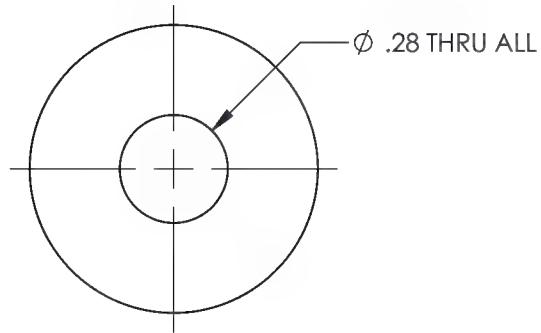
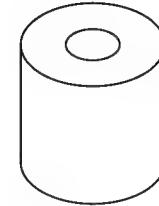
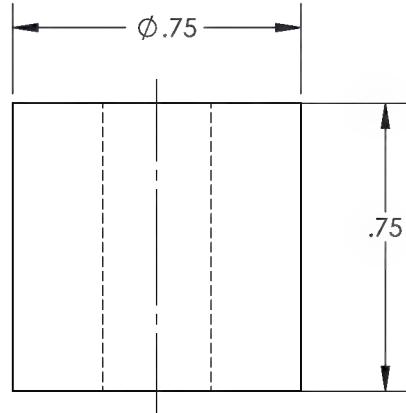
TIE ROD PIVOT



TITLE		DART	
		AEROSPACE	
TOW DOLLY		REV 5	
DWG NO. RBW0905G00134-3G-03-095			
MATERIAL 6061		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH POWDER COAT YELLOW		.XXX ± .010 FRACTIONS ± 1/8	
SPEC FED #13538		.XX ± .03 ANGLES ± 1°	
DRAWN BY: MARPET		X ± .1 SURFACES = 125 ✓	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
OPPS APPR: ANDERSON		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
QA APPR: LINDSAY		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED: GILBERT		USED ON MODEL AGUSTA AW139	
SCALE 1:2		DATE 1/28/2013 SHEET 16 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-097 CH'D CENTER HOLE WAS 1/4-28 UNF THRU IS Ø.28 THRU ALL.	2/2/2015	RJC	JAG



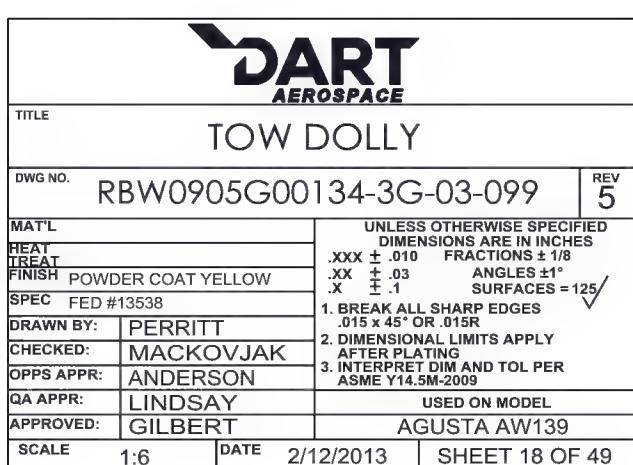
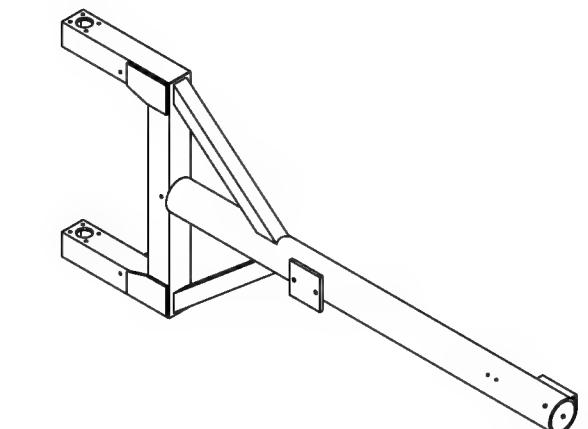
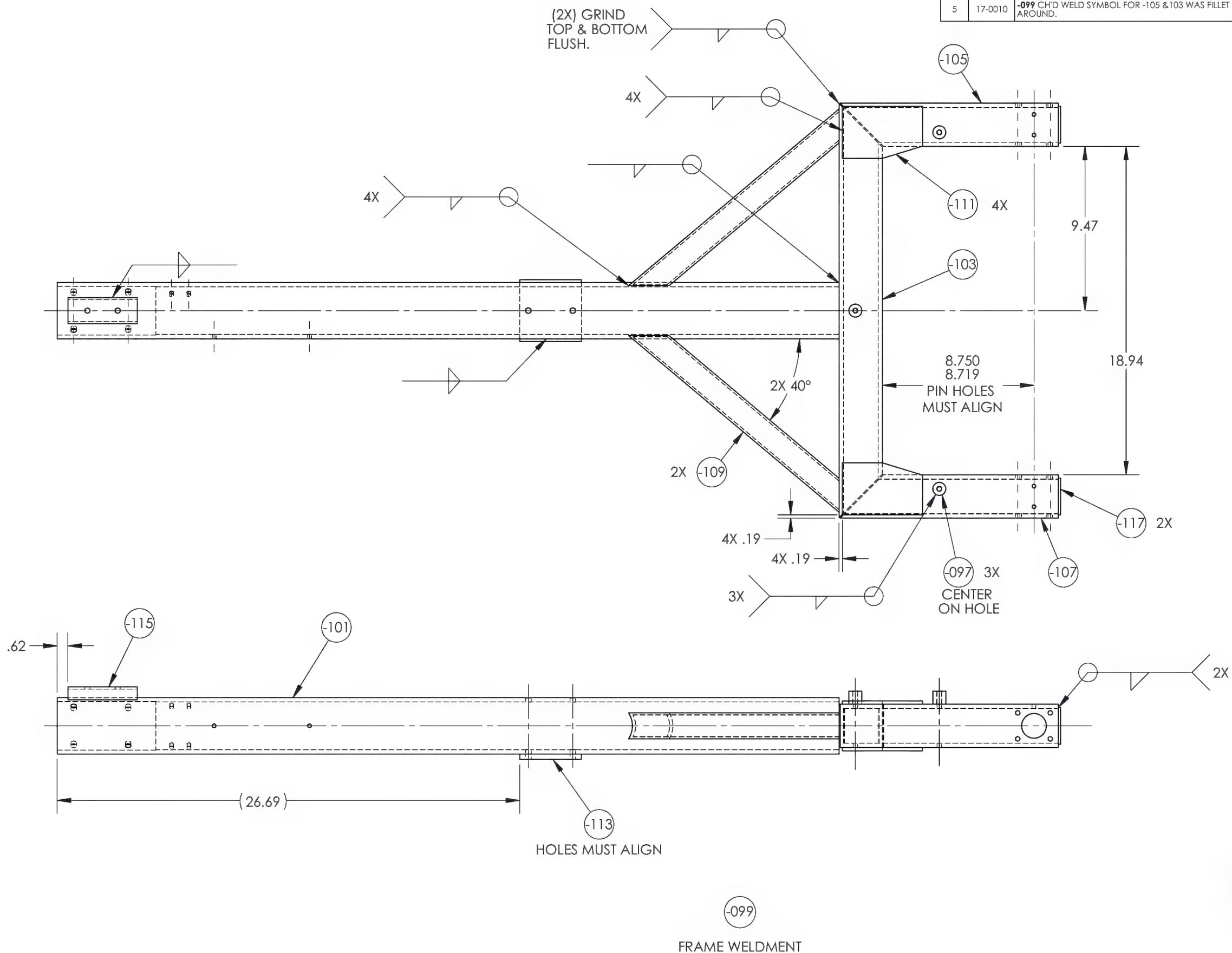
-097

RISER

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-097	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
MAT'L 6061	
HEAT	
TREAT	
FINISH SEE -099 WELDMENT	
SPEC	
DRAWN BY:	MARPET
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
AGUSTA AW139	
SCALE	2:1
DATE	1/24/2013
SHEET 17 OF 49	

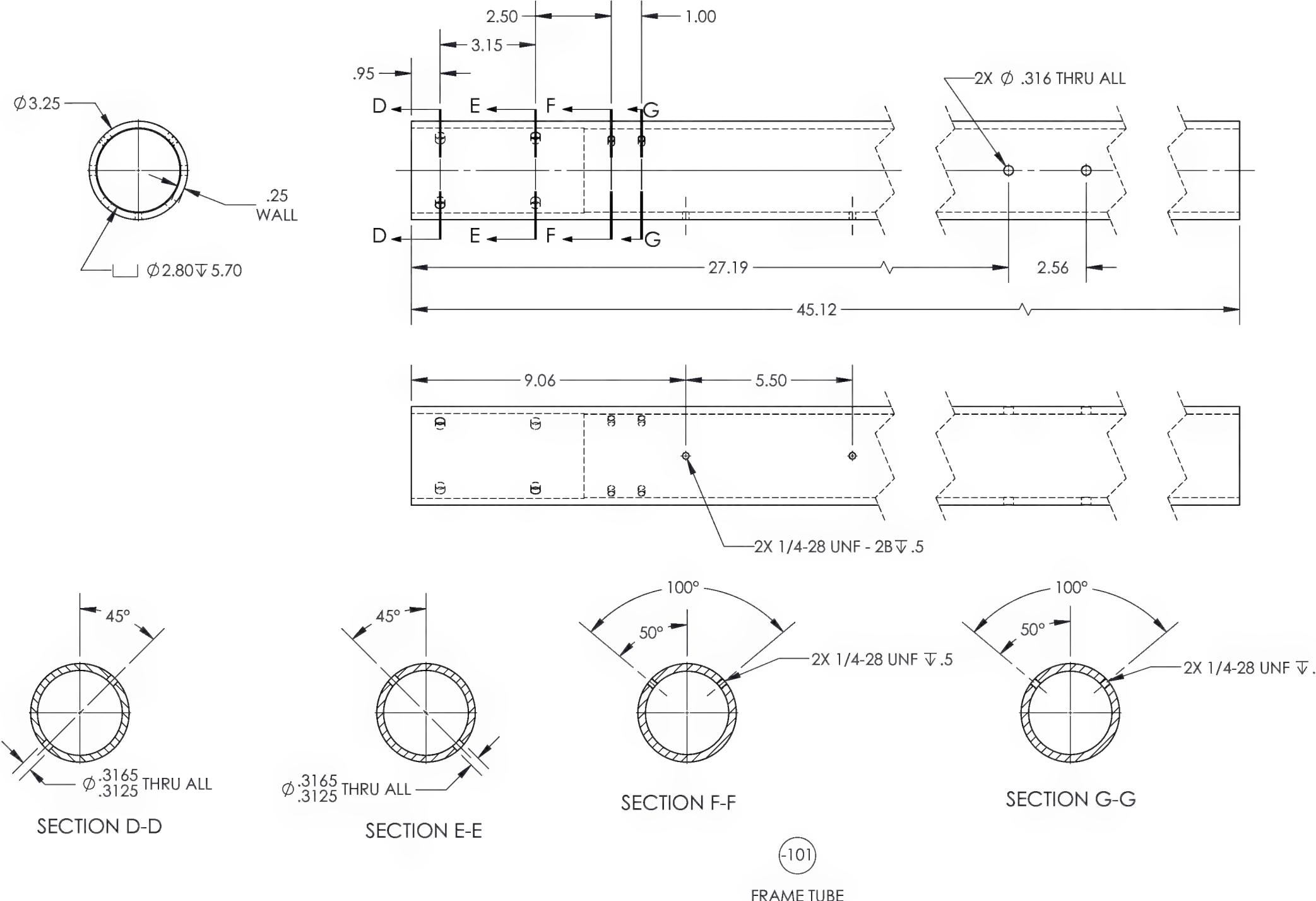
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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
4	16-0029	-099 CH'D WELD SYMBOL FOR -113.	2/9/2016	RJC	JAG	
5	17-0010	-099 CH'D WELD SYMBOL FOR -105 &103 WAS FILLET WELD ALL AROUND .06 IS FILLET WELD ALL AROUND.	3/18/2017	RJC	JAG	



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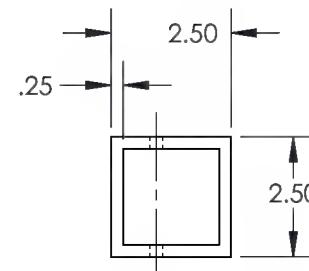
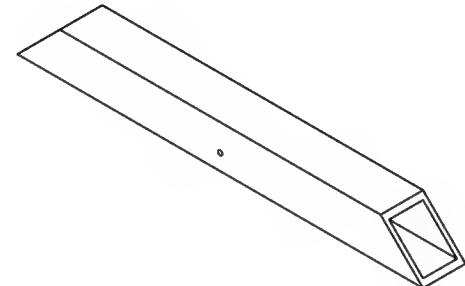
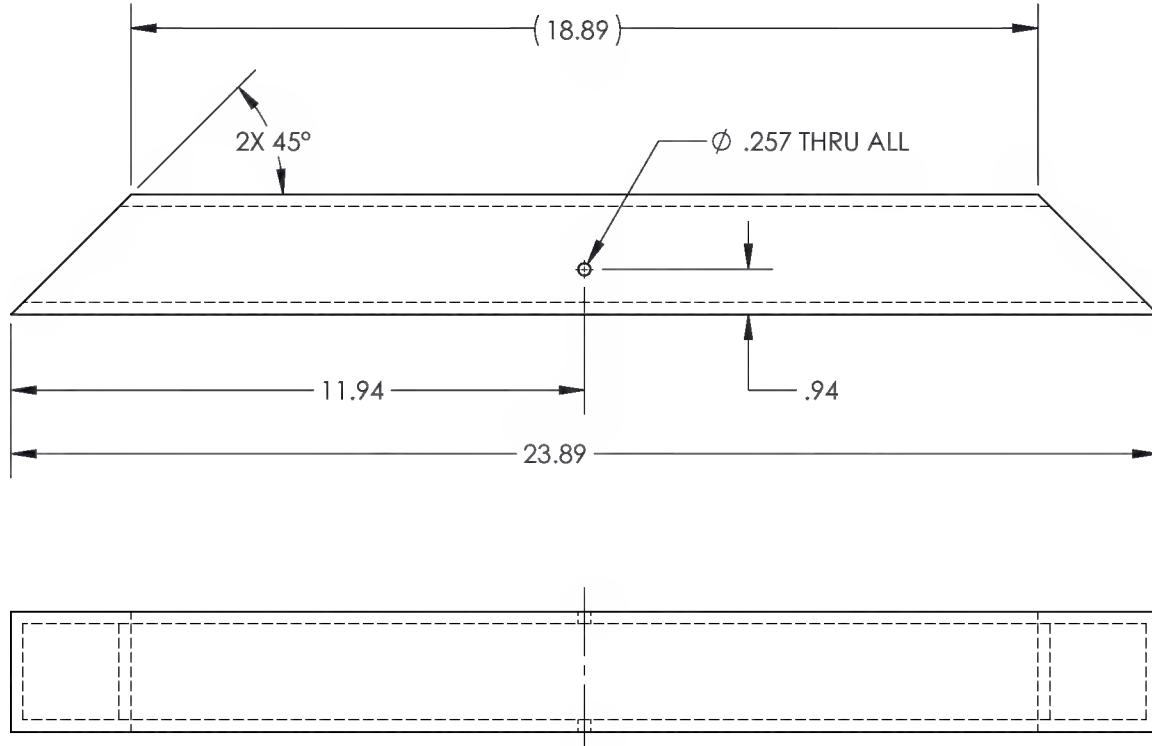
REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
3	14-0228		-101 CH'D DIMENSION WAS 2X Ø.257 THRU ALL IS 2X Ø.316 THRU ALL. ADDED MISSING DIM. 2X 1/4-28 UNF V.5. CH'D DIM SECTION D-D AND E-E WAS Ø.257 THRU ALL IS Ø.3165 -.3125.						2/2/2015			RJC			JAG		
5	17-0010		-101 CH'D DIM WAS (.25 WALL) IS .25 WALL.						3/18/2017			RJC			JAG		



DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-101	
REV 5	
MATERIAL 6061 UNLESS OTHERWISE SPECIFIED	
HEAT TREAT FINISH SEE -099 WELDMENT DIMENSIONS ARE IN INCHES	
SPEC	
DRAWN BY: PERRITT	ANGLES $\pm .5^\circ$
CHECKED: MACKOVJAK	SURFACES = 125
OPPS APPR: ANDERSON	1. BREAK ALL SHARP EDGES
QA APPR: LINDSAY	.015 x 45° OR. 015R
APPROVED: GILBERT	2. DIMENSIONAL LIMITS APPLY
	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:4	USED ON MODEL
	AGUSTA AW139
DATE 2/12/2010	SHEET 19 OF 49

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REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
				APPROVED



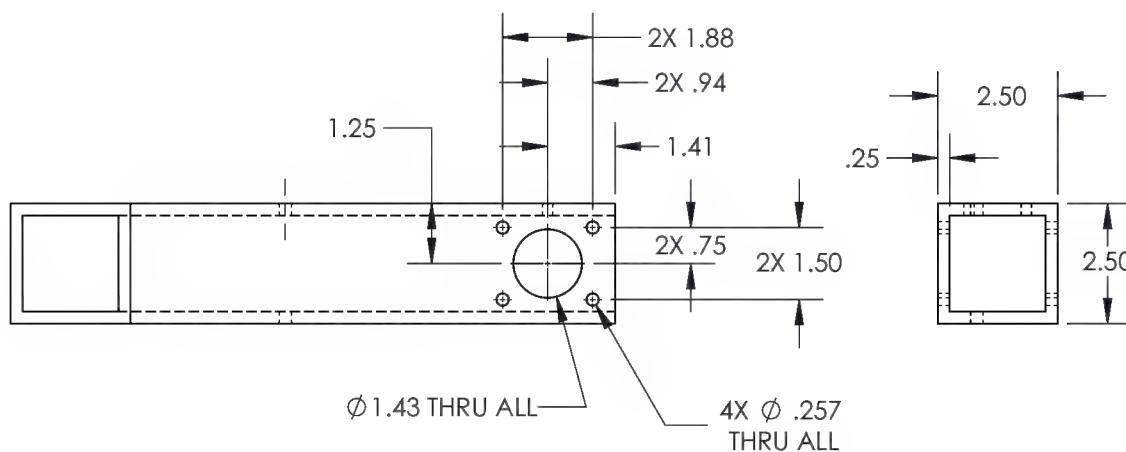
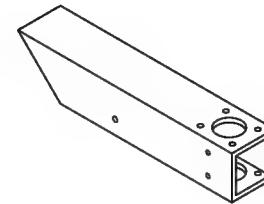
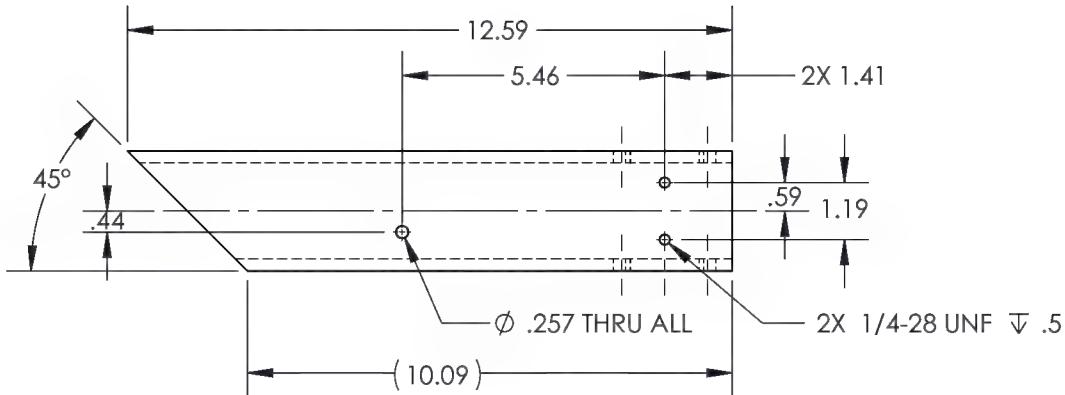
-103

FRONT

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBWO905G00134-3G-03-103 REV 5	
MAT'L 6061 UNLESS OTHERWISE SPECIFIED	
HEAT DIMENSIONS ARE IN INCHES	
TREAT .XXX ± .005 FRACTIONS ± 1/8	
FINISH SEE -099 WELDMENT .XX ± .01 ANGLES ± 5°	
SPEC .X ± .1 SURFACES = 125 ✓	
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:4	USED ON MODEL
	AGUSTA AW139
DATE 1/24/2013	SHEET 20 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-105 DELETED DIM'S .66 & .81, ADDED DIM'S .59 & .44.	2/9/2016	RJC	JAG



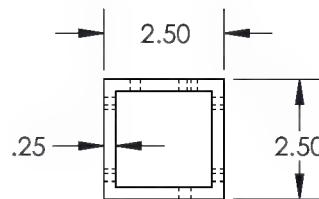
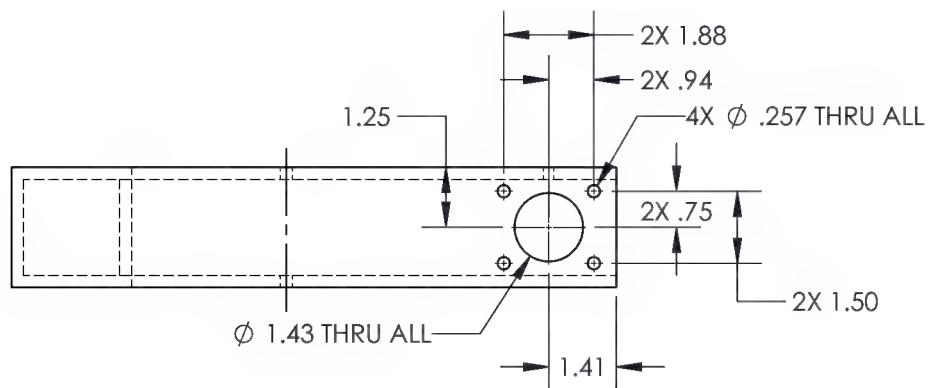
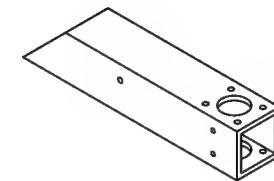
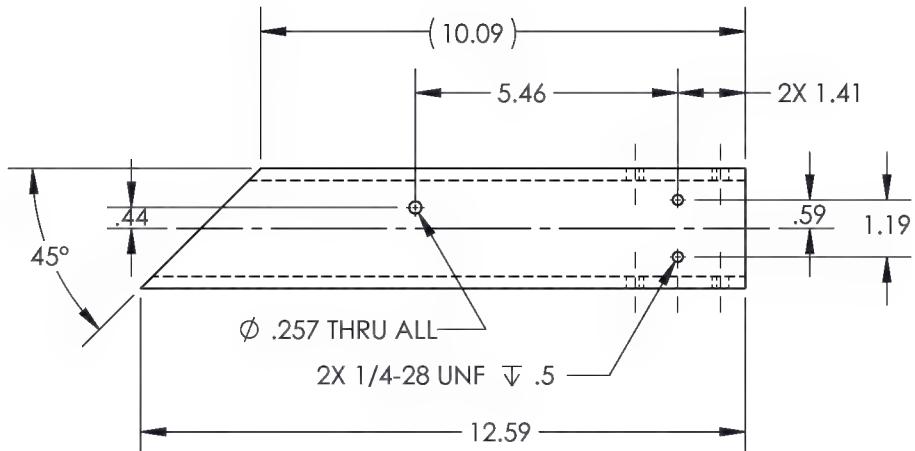
-105

RIGHT SIDE

TITLE		REV	
TOW DOLLY		5	
DWG NO.		RBW0905G00134-3G-03-105	
MAT'L		6061	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SEE -099 WELDMENT		.XX ± .01 ANGLES ± 5°	
SPEC		X ± .1 SURFACES = 125 ✓	
DRAWN BY:		PERRITT	
CHECKED:		MACKOVJAK	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
USED ON MODEL		AGUSTA AW139	
SCALE	1:4	DATE	2/12/2010
SHEET 21 OF 49			

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			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029		-107 DELETED DIM'S .66 & .81, ADDED DIM'S .59 & .44.	2/9/2016	RJC	JAG



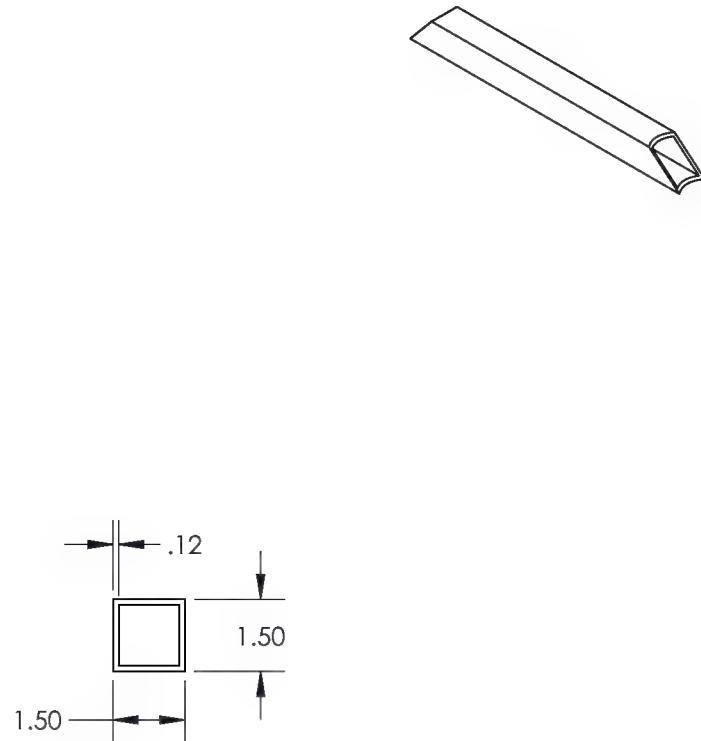
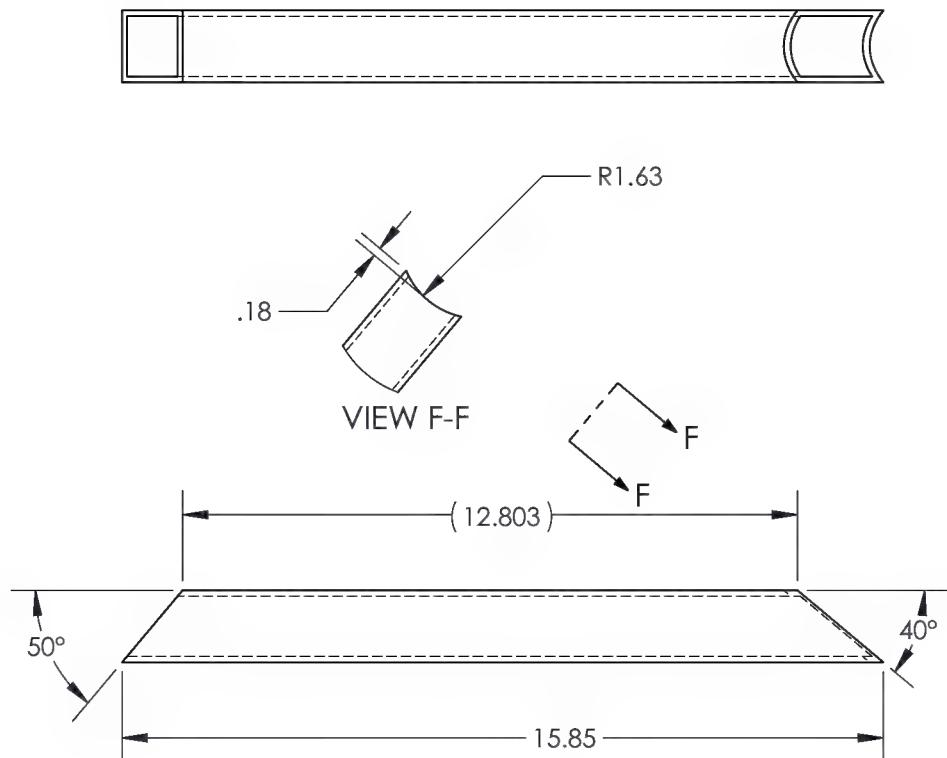
(-107)

LEFT SIDE

	
TITLE	
DWG NO.	TOW DOLLY
	RBW0905G00134-3G-03-107
REV	5
MAT'L	6061
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SEE -099 WELDMENT	.XX ± .01 ANGLES ± 5°
SPEC	X ± .1 SURFACES = 125 ✓
DRAWN BY:	PERRITT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	AGUSTA AW139
SCALE	1:4
DATE	2/12/2010
SHEET	22 OF 49

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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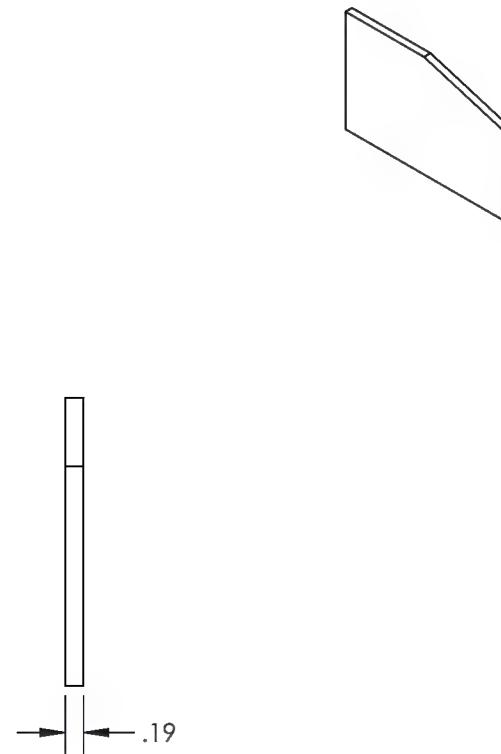
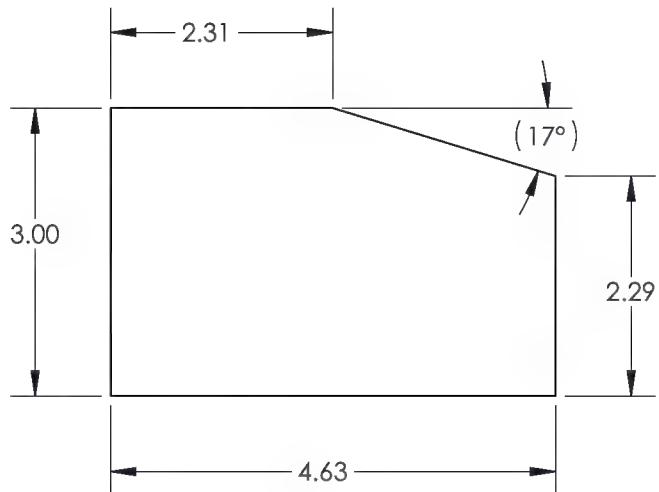
-109

BRACE

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-109	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.000 ± .010 FRACTIONS ± 1/8	
.000 ± .03 ANGLES ± 1°	
.015 x 45° OR .015R SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES	
2. DIMENSIONAL LIMITS APPLY	
3. INTERPRET DIM AND TOL PER	
ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY USED ON MODEL	
APPROVED: GILBERT AGUSTA AW139	
SCALE 1:4	DATE 1/28/2013
SHEET 23 OF 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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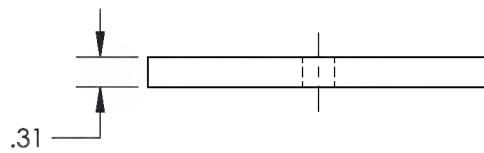
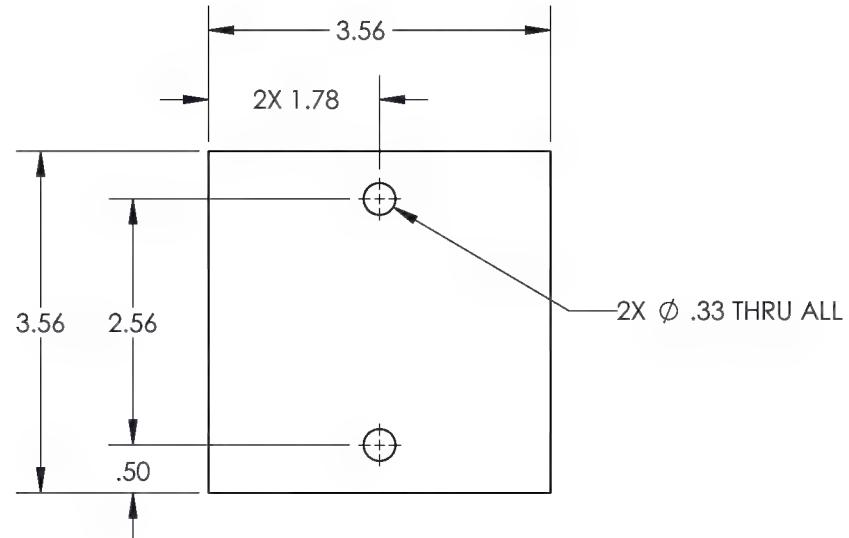
(-111)

GUSSET

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-111	
REV 5	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY USED ON MODEL	
APPROVED: GILBERT AGUSTA AW139	
SCALE	1:2
DATE	1/24/2013
SHEET 24 OF 49	

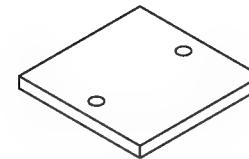
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-113 CH'D HOLE WAS 2X Ø.257 THRU ALL IS Ø .33.	2/2/2015	RJC	JAG



-113

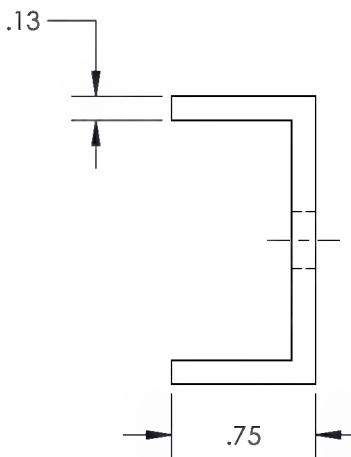
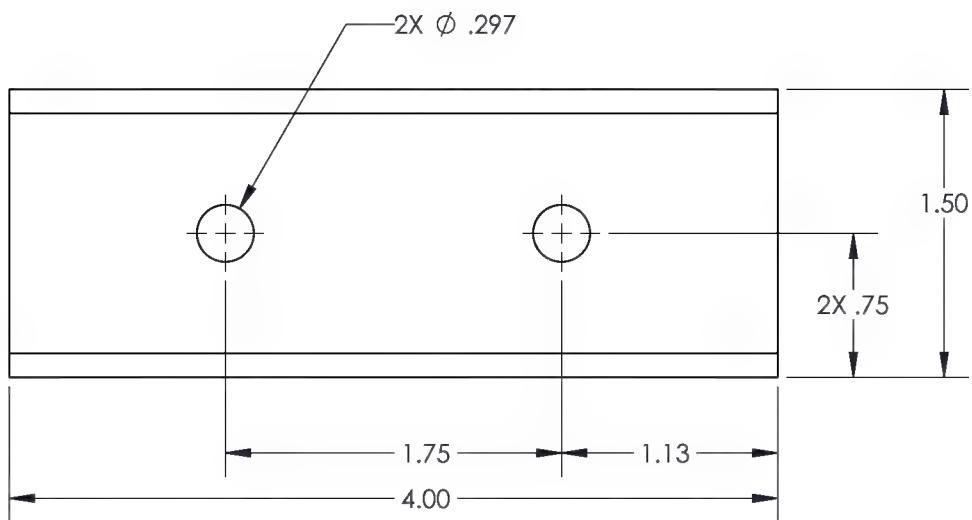
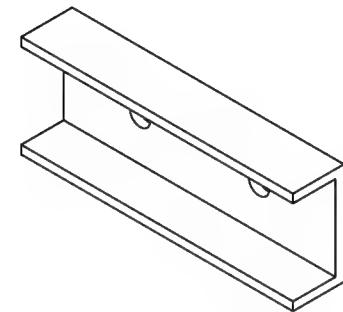
WHEEL PLATE



DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-113	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
GILBERT AGUSTA AW139	
SCALE	1:2
DATE	1/24/2013
SHEET 25 OF 49	

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REVISIONS						
REV	ECR	DESCRIPTION			DATE	INITIAL
3	14-0228	-115 CH'D MATERIAL WAS 6061 IS 6063.			2/2015	RJC JAG

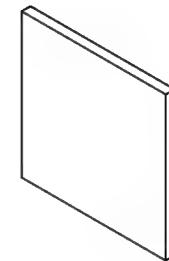
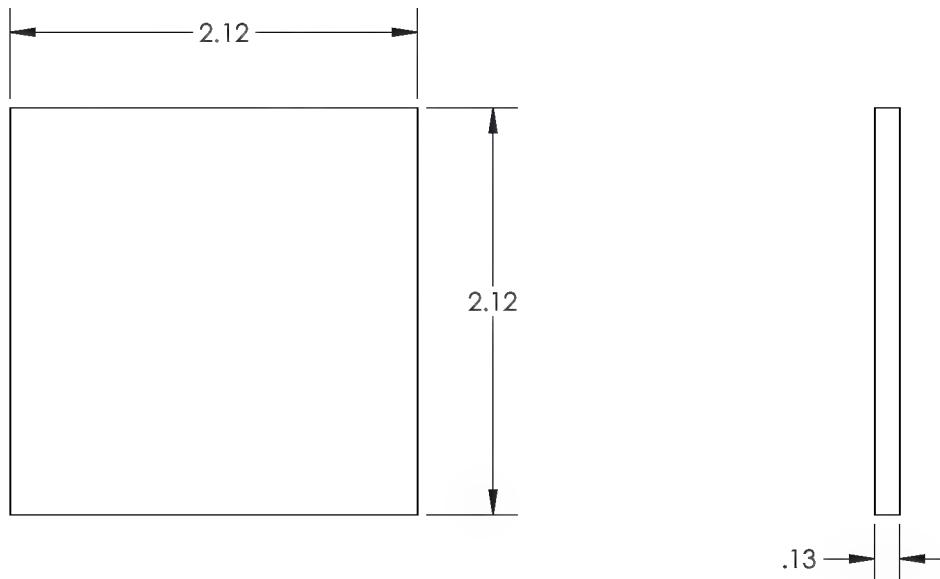


-115  
CHANNEL

			
<b>TITLE</b> <b>TOW DOLLY</b>			
<b>DWG NO.</b> RBW0905G00134-3G-03-115 <span style="float: right;"><b>REV</b> 5</span>			
<b>MAT'L</b> 6063		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
<b>FEAT</b> <b>TREAT</b>		$XXX \pm .005$ FRACTIONS $\pm 1/8$	
<b>FINISH</b> SEE -099 WELDMENT		$XX \pm .01$ ANGLES $\pm .5^\circ$	
<b>SPEC</b>		$X \pm .1$ SURFACES = 125	
<b>DRAWN BY:</b> MARPET		1. BREAK ALL SHARP EDGES $.015 \times 45^\circ$ OR .015R	
<b>CHECKED:</b> MACKOVJAK		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>OPPS APPR:</b> ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
<b>QA APPR:</b> LINDSAY		USED ON MODEL	
<b>APPROVED:</b> GILBERT		AGUSTA AW139	
<b>SCALE</b>	1:1	<b>DATE</b>	1/24/2013
		<b>SHEET</b> 26 <b>OF</b> 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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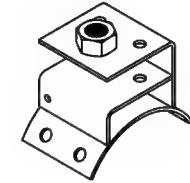
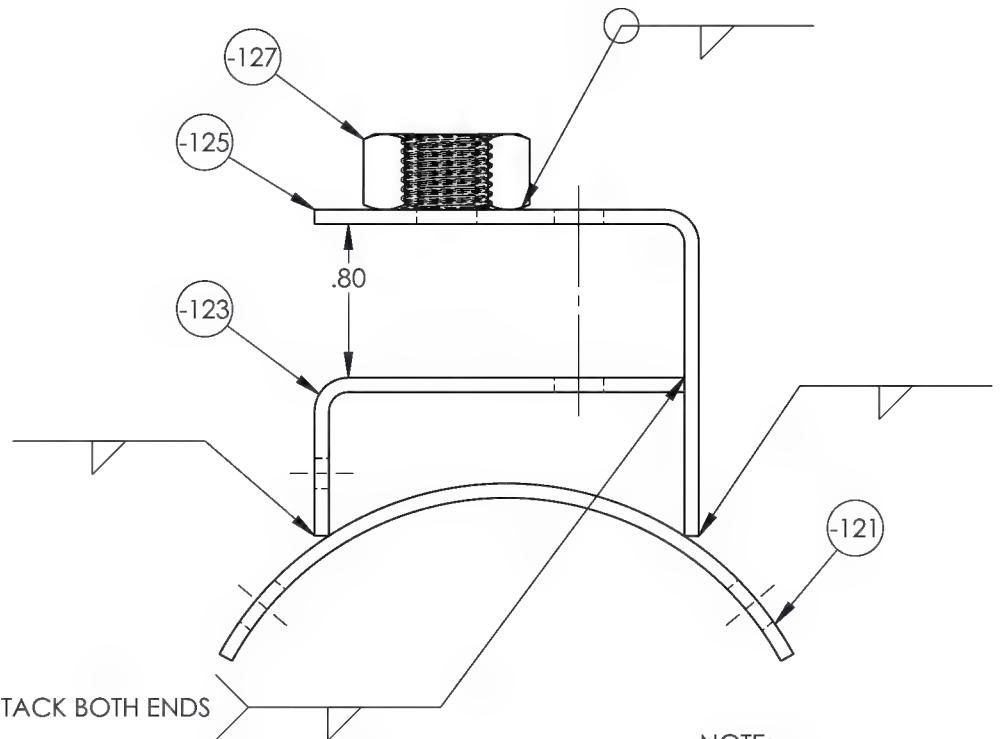
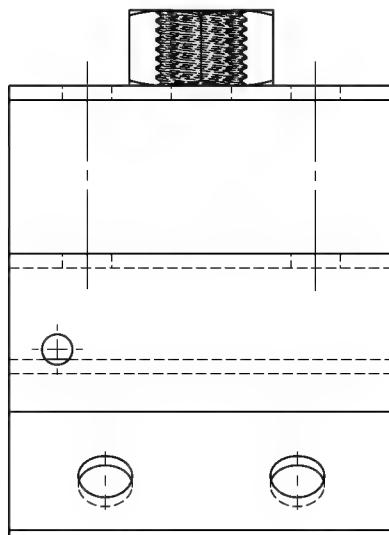
-117

END CAP

TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-117	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY USED ON MODEL	
APPROVED: GILBERT AGUSTA AW139	
SCALE	1:1
DATE	1/24/2013
SHEET 27 OF 49	

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REV			ECR			DESCRIPTION			REVISIONS		
DATE	INITIAL	APPROVED	DATE	INITIAL	APPROVED	DATE	INITIAL	APPROVED	DATE	INITIAL	APPROVED
2A	14-0158	-119 ADDED NOTE.							9/24/2014	DJN	JAG



NOTE:  
CENTER -123, -125 ON -121.

**DART**  
AEROSPACE

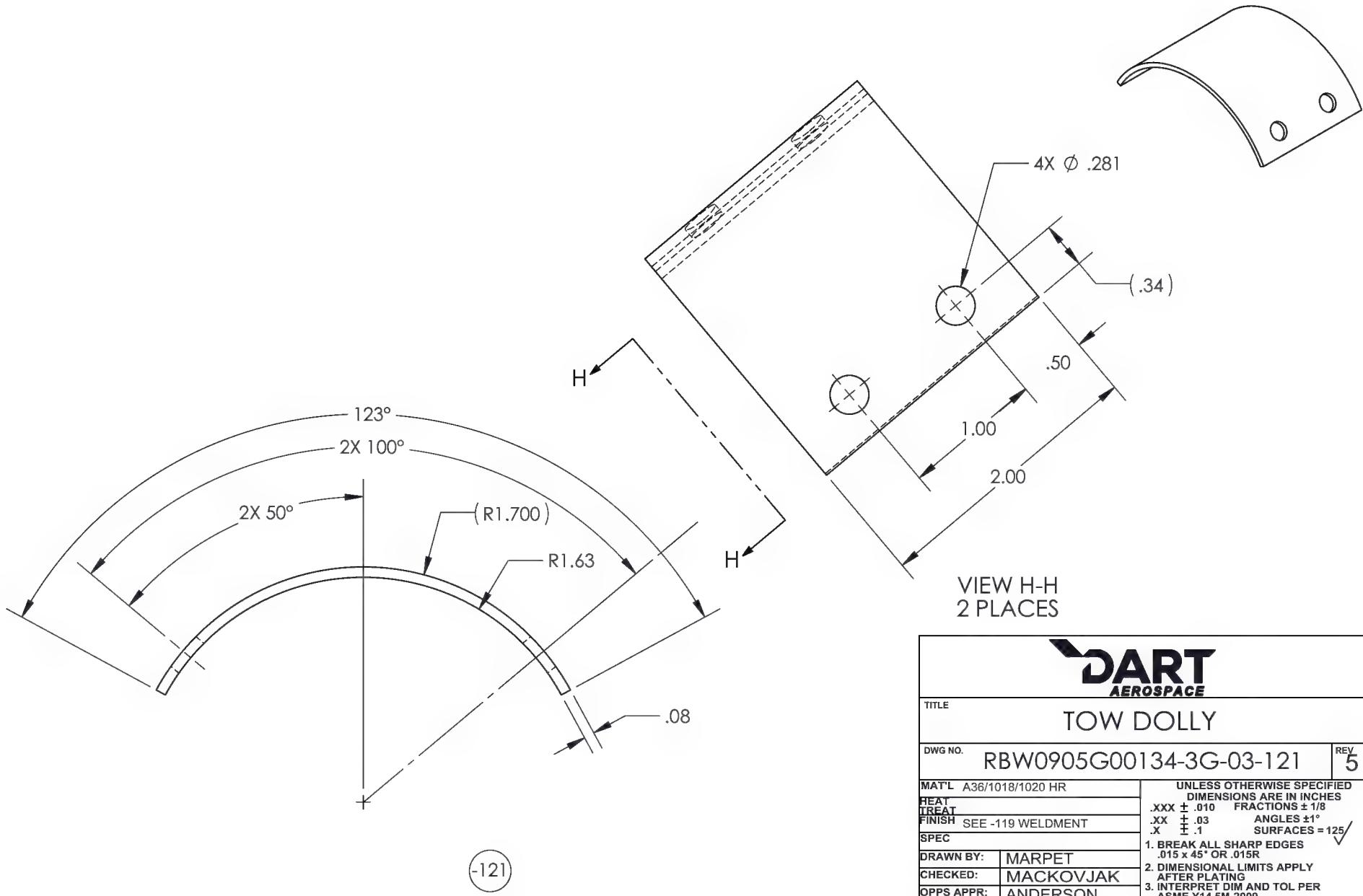
TITLE		TOW DOLLY	
DWG NO.		RBW0905G00134-3G-03-119	
REV		5	
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT		DIMENSIONS ARE IN INCHES	
TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH		.XX ± .03 ANGLES ± 1°	
SPEC		X ± .1 SURFACES = 125 ✓	
FED #13538		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: MARPET		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED: MACKOVJAK		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR: ANDERSON		USED ON MODEL	
QA APPR: LINDSAY		AGUSTA AW139	
APPROVED: GILBERT			
SCALE 1:1		DATE 1/28/2013	
		SHEET 28 OF 49	

-119

HANDLE BRACKET WELDMENT

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2A			14-0158			-121 ADDED AUX VIEW.			9/24/2014			DJN			JAG		



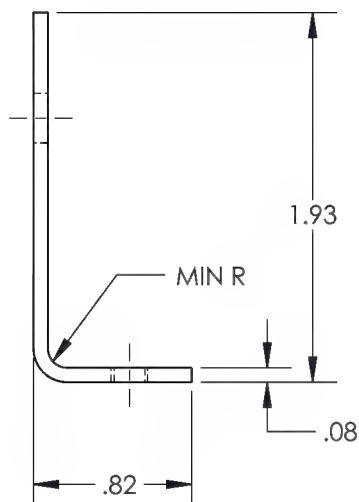
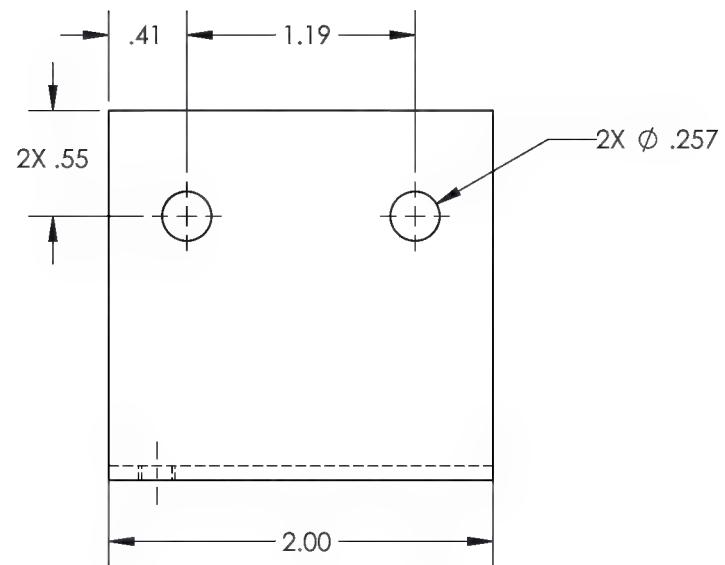
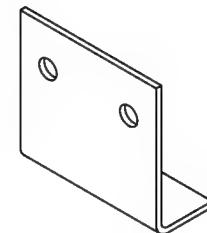
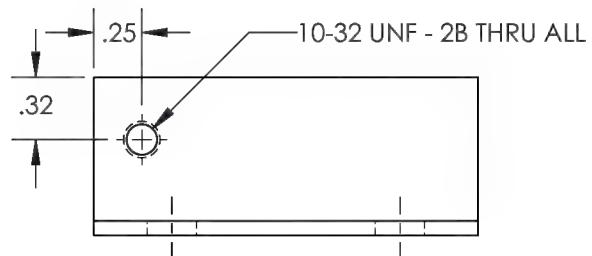
DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-121	
REV 5	
MAT'L A36/1018/1020 HR	
HEAT	
TREAT	
FINISH SEE -119 WELDMENT	
SPEC	
DRAWN BY:	MARPET
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
AGUSTA AW139	
SCALE	1:1
DATE	1/23/2013
SHEET 29 OF 49	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .010 FRACTIONS ± 1/8  
.XX ± .03 ANGLES ± 1°  
X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
4			16-0029			-123 ADDED #10-32 HOLE.			2/9/2016			RJC			JAG		



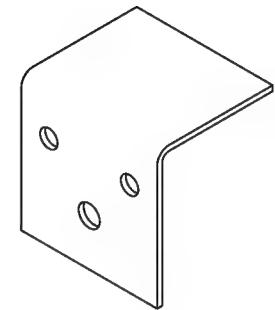
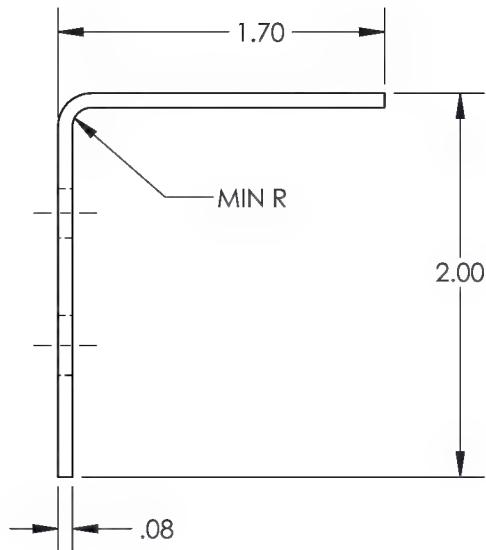
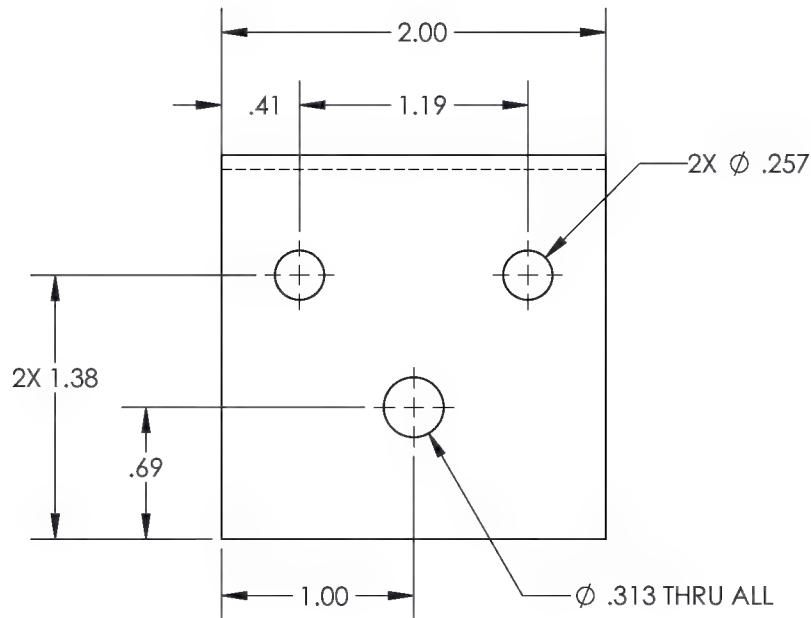
-123

INSIDE

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-123	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE	1:1
DATE	1/24/2013
SHEET 30 OF 49	

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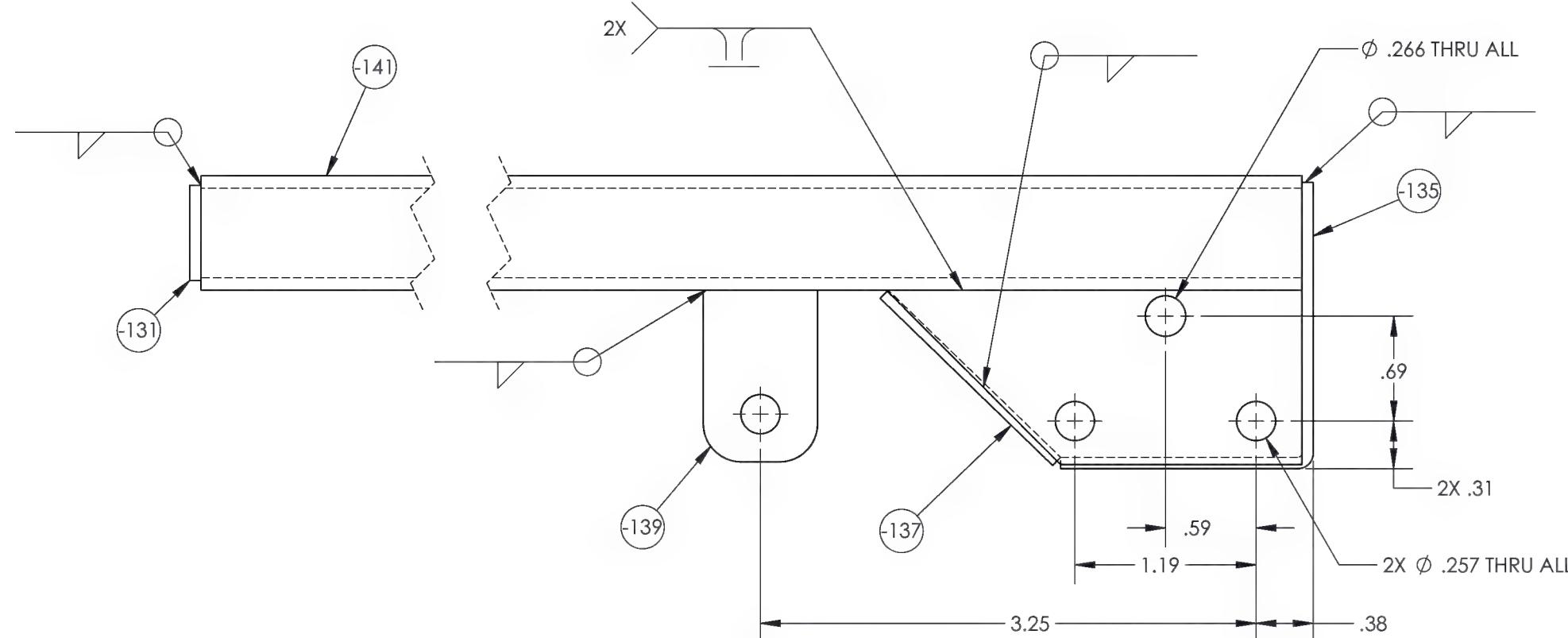
REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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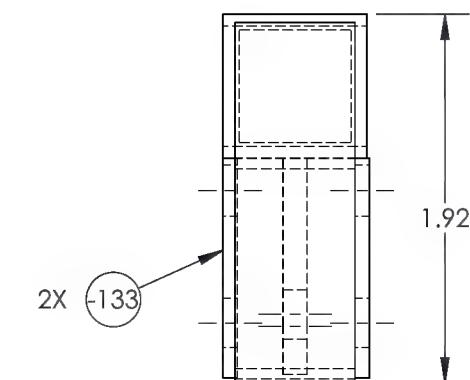
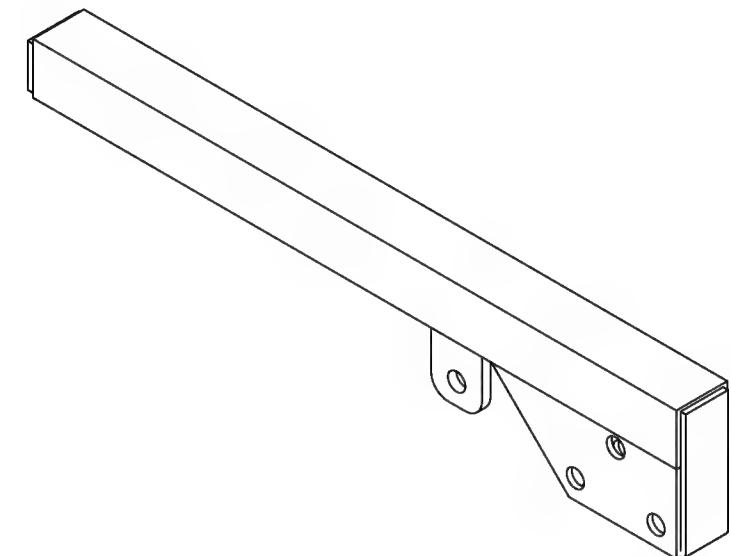
-125

OUTSIDE

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-125	
REV 5	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE	1:1
DATE	1/24/2013
SHEET 31 OF 49	



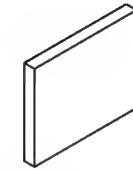
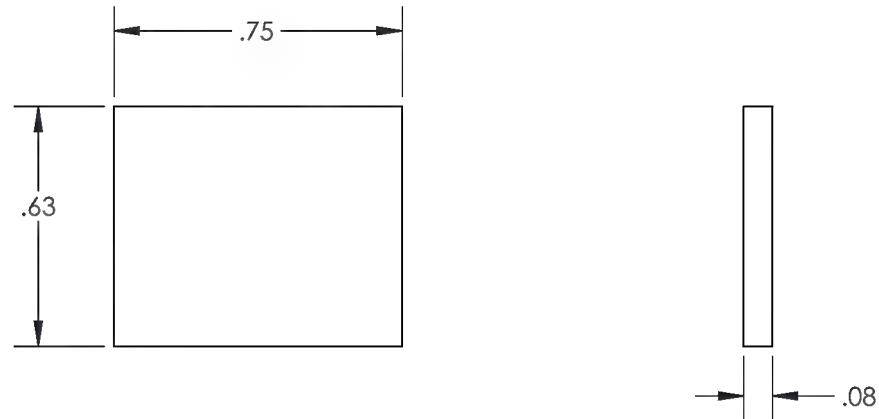
HANDLE WELDMENT



DART AEROSPACE		
TITLE		
TOW DOLLY		
DWG NO. RBW0905G00134-3G-03-129		
REV 5		
MATL UNLESS OTHERWISE SPECIFIED HEAT DIMENSIONS ARE IN INCHES TREAT FRACTIONS $\pm 1/8$ FINISH POWDER COAT YELLOW SPEC FED #13538		
XXX $\pm .010$ XX $\pm .03$ X $\pm .1$ SURFACES $\pm 125$		
1. BREAK ALL SHARP EDGES .015 x 45° OR. 015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
DRAWN BY:	MARPET	
CHECKED:	MACKOVJAK	
OPPS APPR:	ANDERSON	
QA APPR:	LINDSAY	
APPROVED:	GILBERT	
USED ON MODEL		
AGUSTA AW139		
SCALE 1:1	DATE 1/29/2013	SHEET 32 OF 49

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REV		ECR		REVISIONS		
				DESCRIPTION		DATE
						INITIAL
				APPROVED		



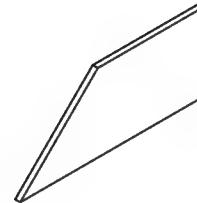
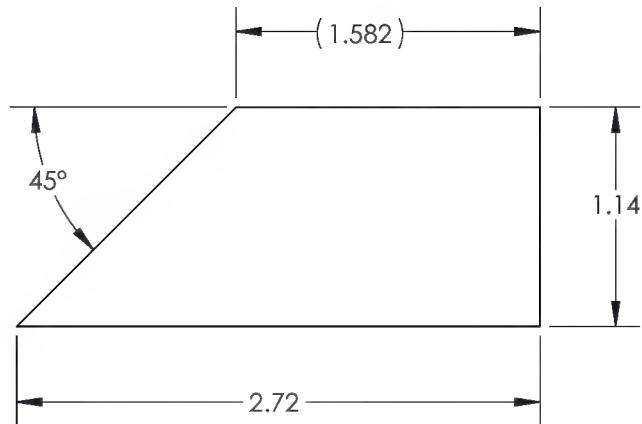
-131

END CAP

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-131	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE	2:1
DATE	1/24/2013
SHEET 33 OF 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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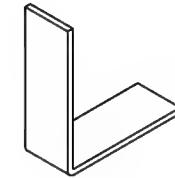
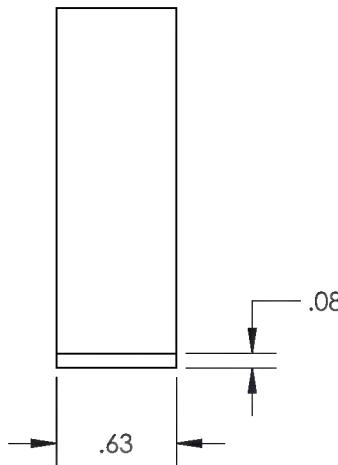
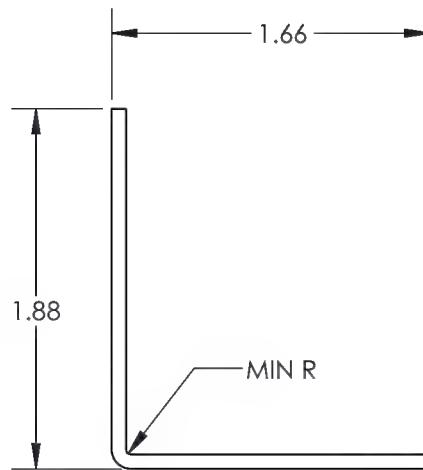
-133

SIDE PLATE

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-133	
REV 5	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY USED ON MODEL	
APPROVED: GILBERT AGUSTA AW139	
SCALE	1:1
DATE	1/24/2013
SHEET 34 OF 49	

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REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL		APPROVED	



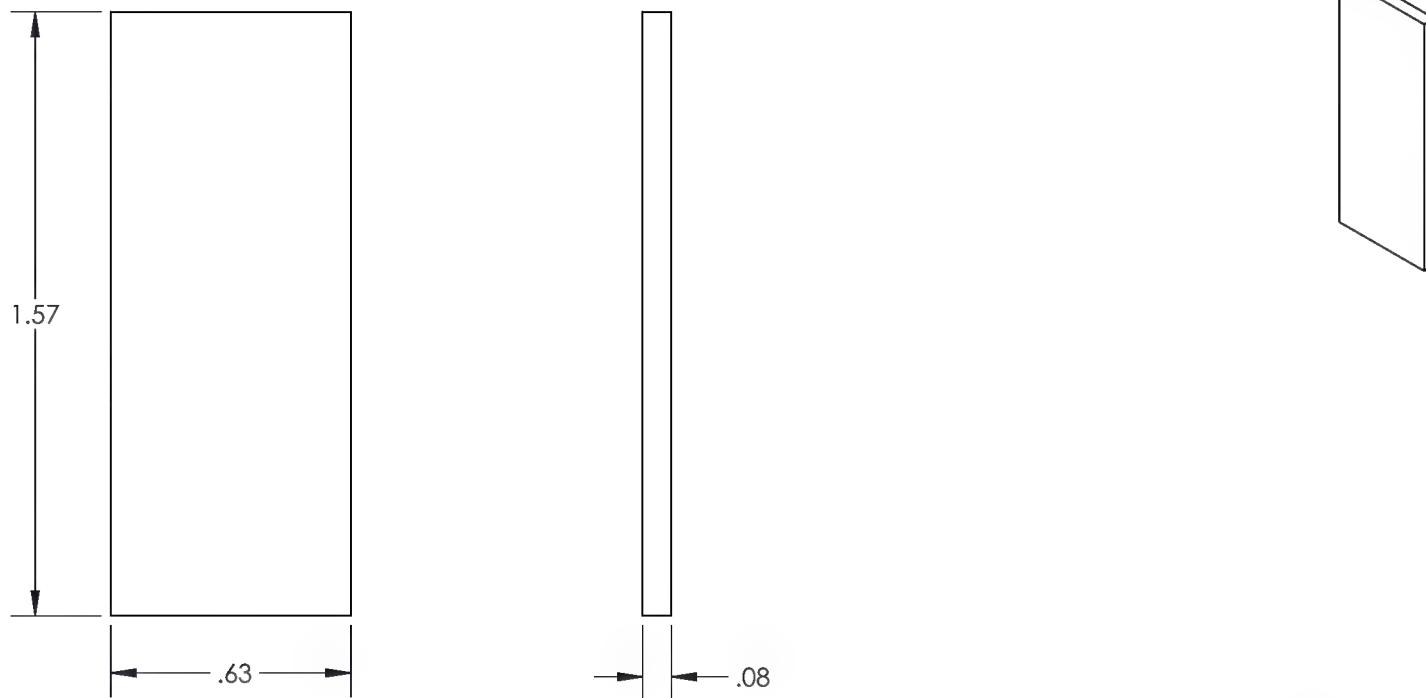
BACK END

-135

 <b>TITLE</b> <b>TOW DOLLY</b>		REV <b>5</b>
<b>DWG NO.</b> RBW0905G00134-3G-03-135		
<b>MAT'L</b> A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
<b>HEAT</b> <b>TREAT</b> <b>FINISH</b> SEE -129 WELDMENT		.XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° X ± .1 SURFACES = 125
<b>SPEC</b> <b>DRAWN BY:</b> MARPET		✓
<b>CHECKED:</b> MACKOVJAK		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
<b>OPPS APPR:</b> ANDERSON		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
<b>QA APPR:</b> LINDSAY		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
<b>APPROVED:</b> GILBERT		USED ON MODEL
<b>SCALE</b> 1:1		AGUSTA AW139
<b>DATE</b> 1/24/2013		<b>SHEET</b> 35 OF 49

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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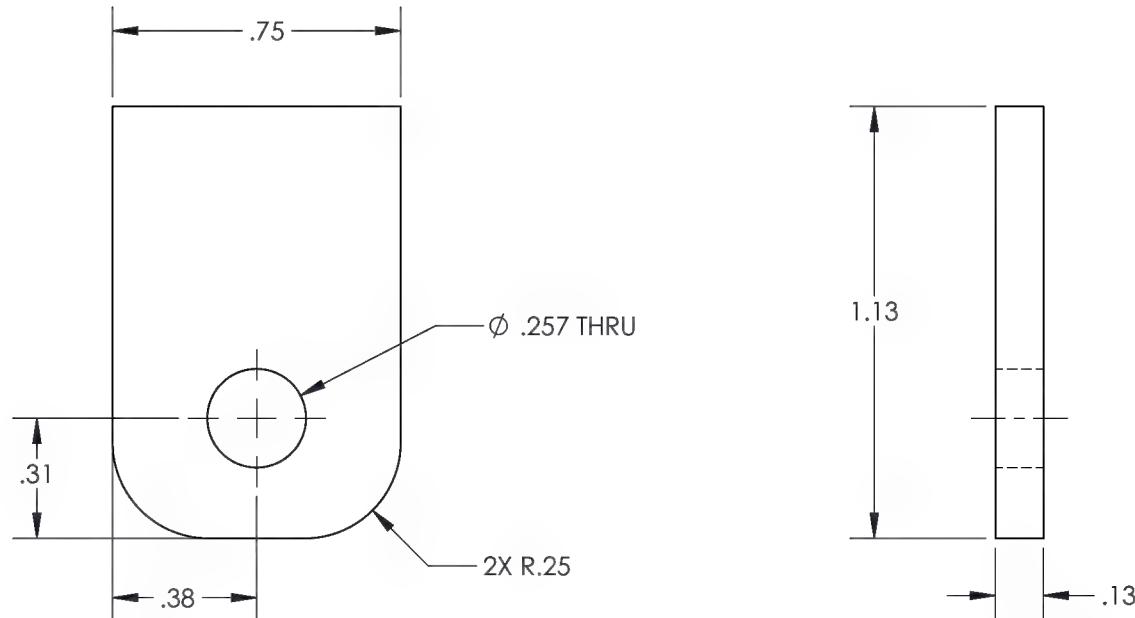
-137

FRONT END

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-137	
REV 5	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT AGUSTA AW139	
SCALE 2:1	DATE 1/24/2013
SHEET 36 OF 49	

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REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



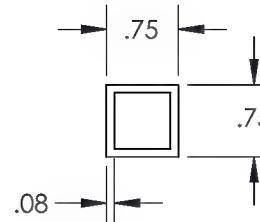
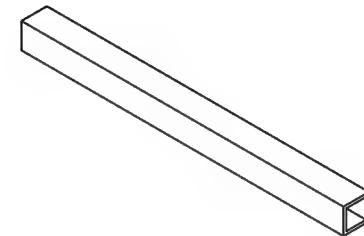
-139

TAB

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-139	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE	2:1
DATE	1/24/2013
SHEET 37 OF 49	

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



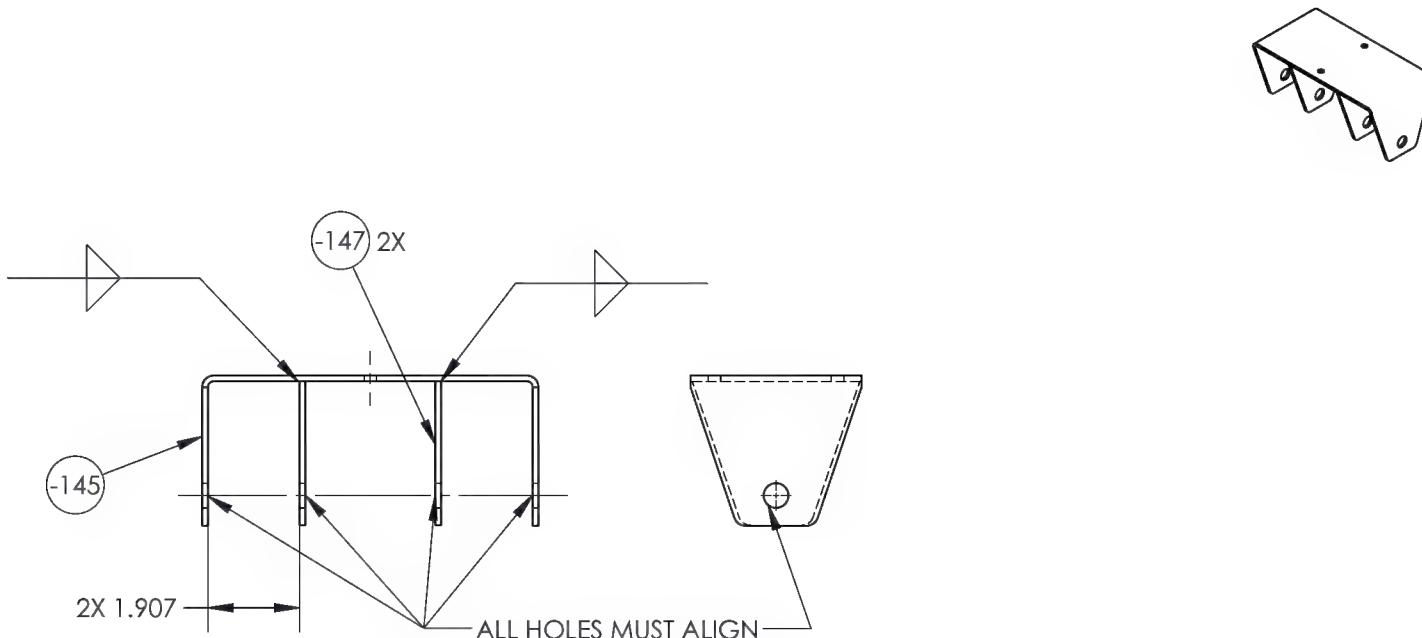
-141

## HANDLE

 <h1 style="text-align: center;">TOW DOLLY</h1>			
TITLE			
DWG NO.		RBW0905G00134-3G-03-141	
		REV 5	
MATERIAL: STEEL		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH: SEE -129 WELDMENT		.005 ± .005	FRACTIONS ± 1/8
SPEC		.01 ± .01	ANGLES ± .5°
DRAWN BY: MARPET		.1 ± .1	SURFACES = 125
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES .015 IN. OR .015R	
OPPS APPR: ANDERSON		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
QA APPR: LINDSAY		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED: GILBERT		USED ON MODEL	
SCALE	1:2	DATE	1/24/2013
		AGUSTA AW139	
		SHEET 38 OF 49	

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REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
				APPROVED



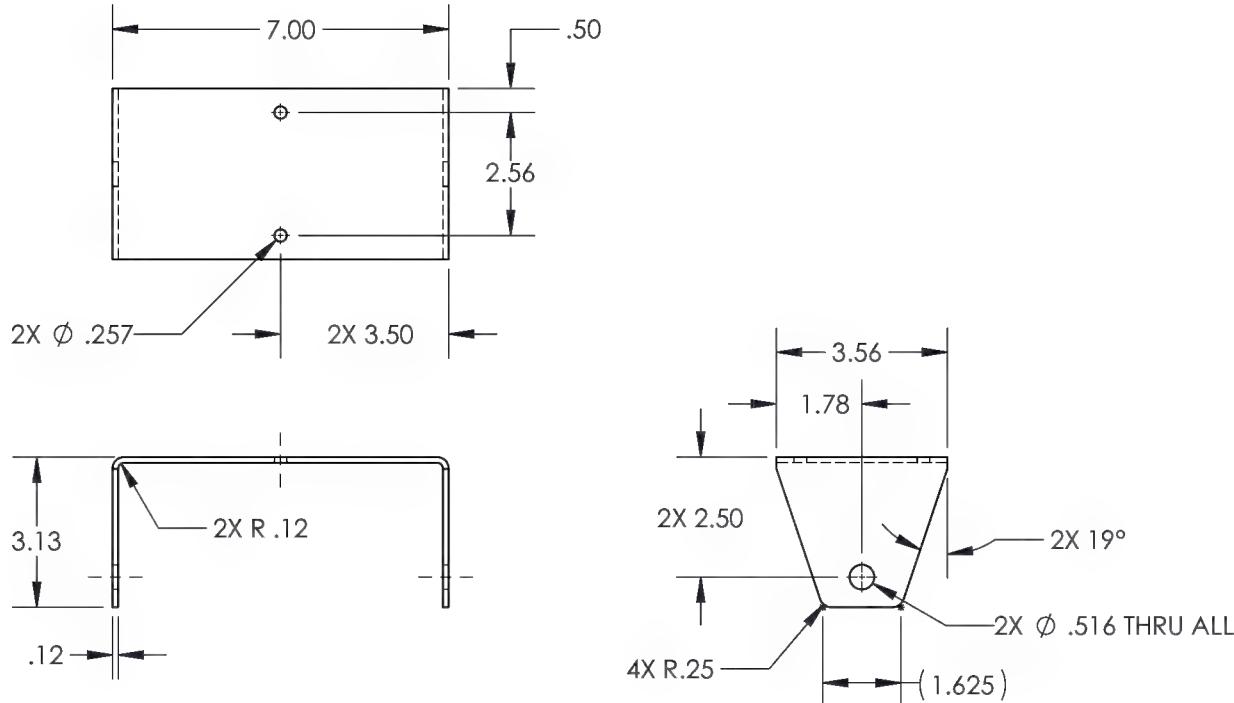
FRONT WHEEL BRACKET WELDMENT

-143

<b>DART</b> AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-143	
REV 5	
MAT'L HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° X ± .1 SURFACES = 125 ✓	
DRAWN BY: MARPET CHECKED: MACKOVJAK OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL AGUSTA AW139	
SCALE	1:4
DATE	1/29/2013
SHEET 39 OF 49	

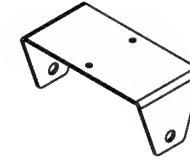
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REV			ECR			DESCRIPTION			REVISIONS		
DATE	INITIAL	APPROVED	DATE	INITIAL	APPROVED	DATE	INITIAL	APPROVED	DATE	INITIAL	APPROVED
2A	14-0158	-145 CH'D DIM WAS R.12 IS 2X R.12.							9/24/2014	DJN	JAG



-145

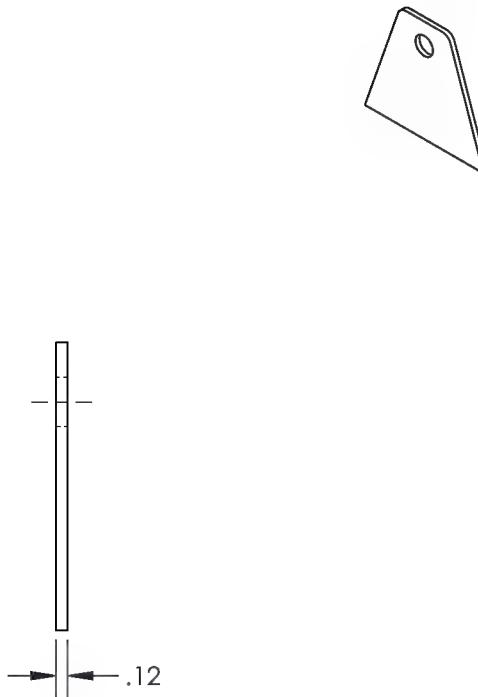
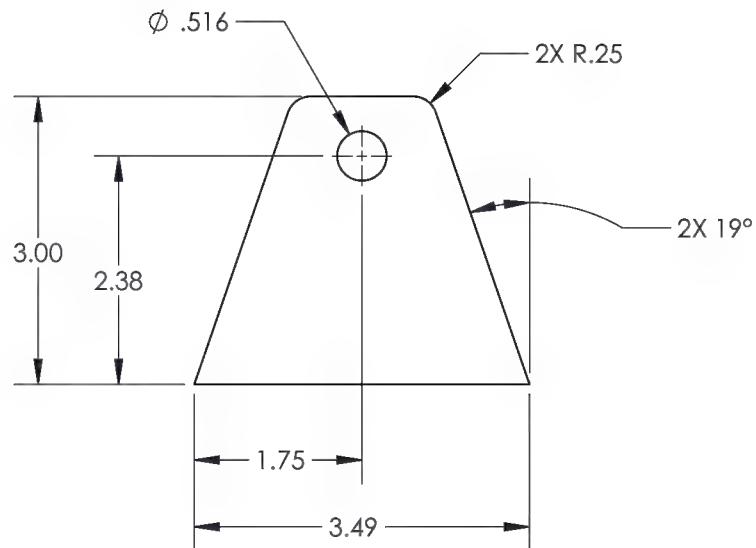
FRONT WHEEL BRACKET FRAME



DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-145	
REV 5	
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE	1:4
DATE	1/28/2013
SHEET 40 OF 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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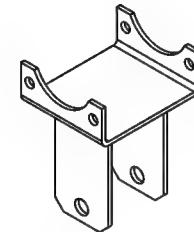
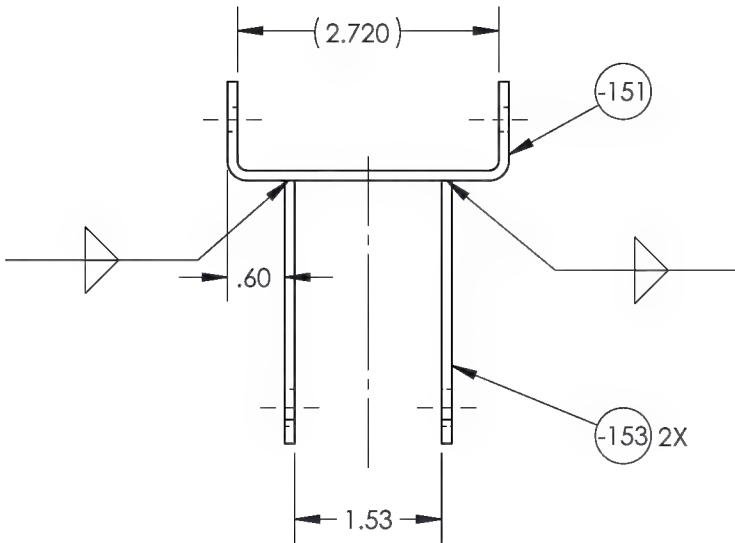
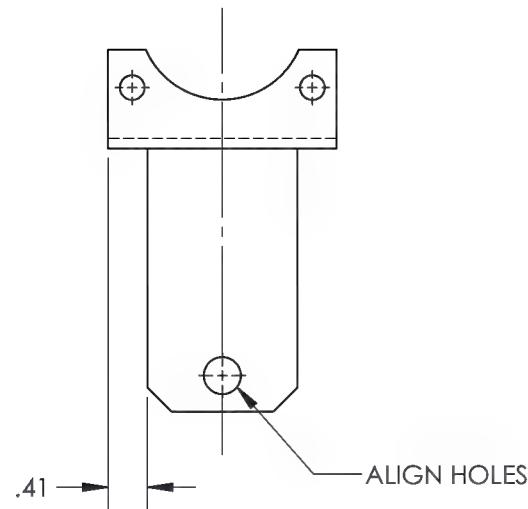
FRONT WHEEL BRACKET GUSSET

-147

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-147	
REV 5	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT AGUSTA AW139	
SCALE	1:2
DATE	1/28/2013
SHEET 41 OF 49	

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REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



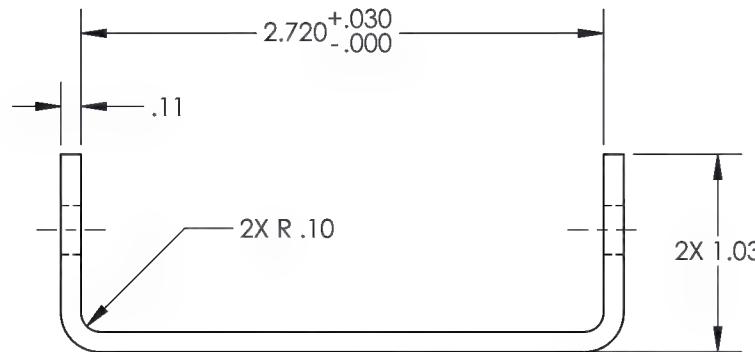
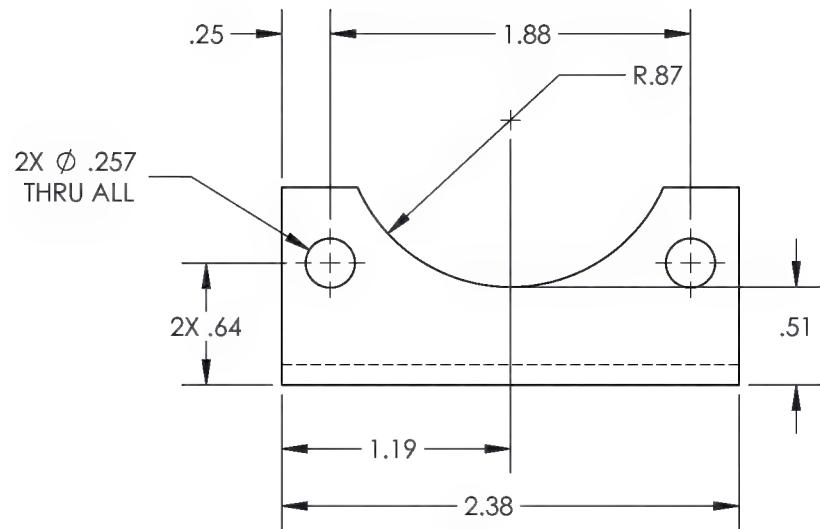
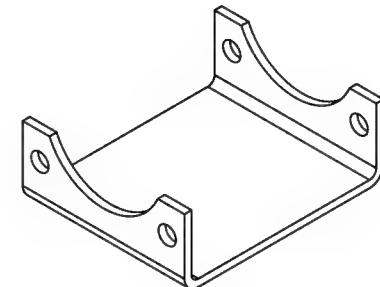
-149

REAR WHEEL BRACKET WELDMENT

TITLE		DART AEROSPACE	
TOW DOLLY		DWG NO. RBW0905G00134-3G-03-149	
		REV 5	
MATERIAL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .010 FRACTIONS ± 1/8	
TREAT		.XX ± .03 ANGLES ± 1°	
FINISH		X ± .1 SURFACES = 125 ✓	
SPEC FED #13538		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: MARPET		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED: MACKOVJAK		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR: ANDERSON		USED ON MODEL	
QA APPR: LINDSAY		APPROVED: GILBERT AGUSTA AW139	
SCALE 1:2		DATE 1/30/2013	
		SHEET 42 OF 49	

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REV			ECR			DESCRIPTION			REVISIONS		
4	16-0029	-151 CH'D DIM WAS 2.66 IS 2.720 +.030-.000.						DATE	INITIAL	APPROVED	
								2/10/2016	RJC	JAG	



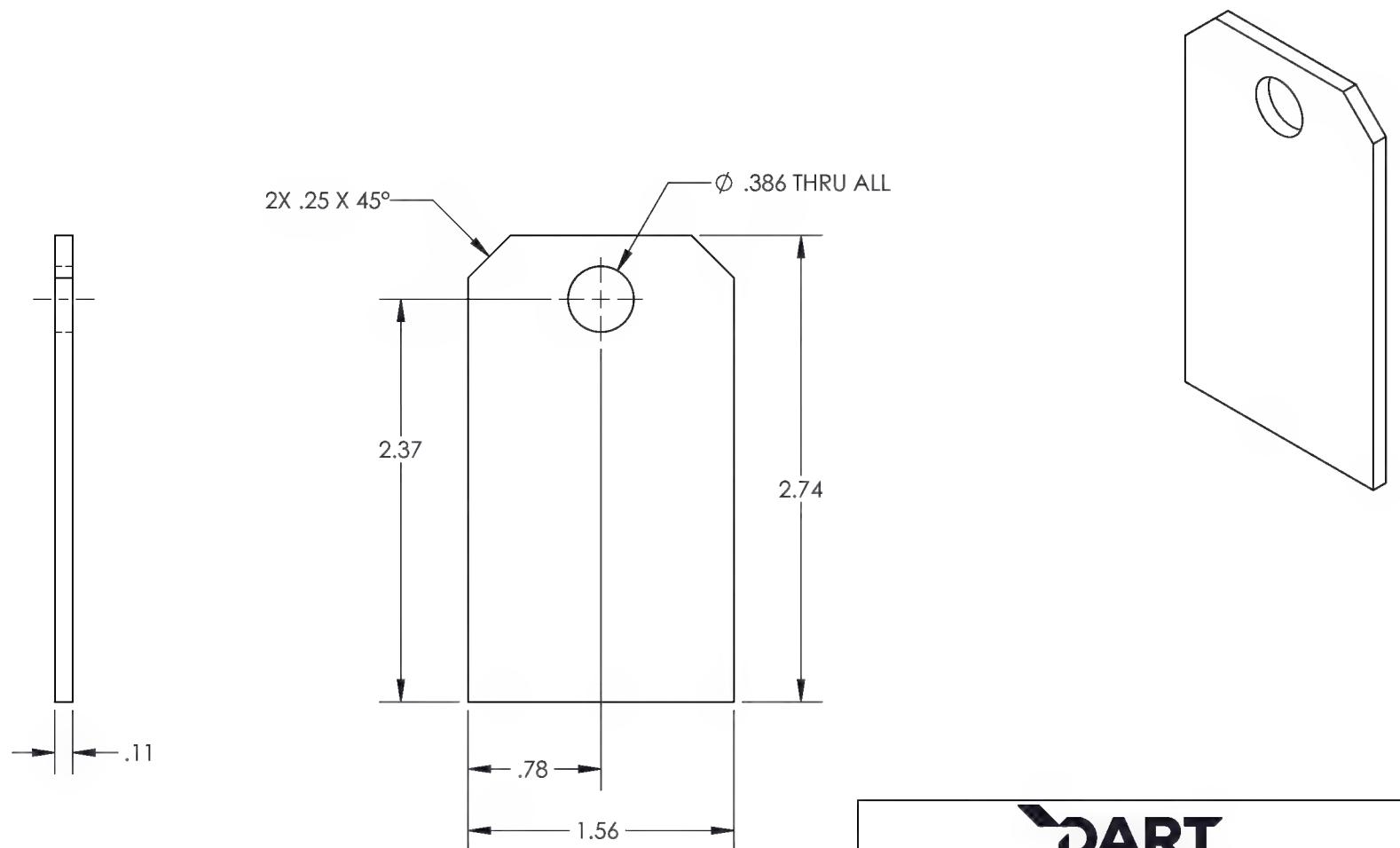
REAR WHEEL FRAME

-151

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-151	
REV 5	
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH SEE -149 WELDMENT .X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY:	MARPET
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL AGUSTA AW139	
SCALE	1:1
DATE	1/28/2013
SHEET 43 OF 49	

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REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
				APPROVED



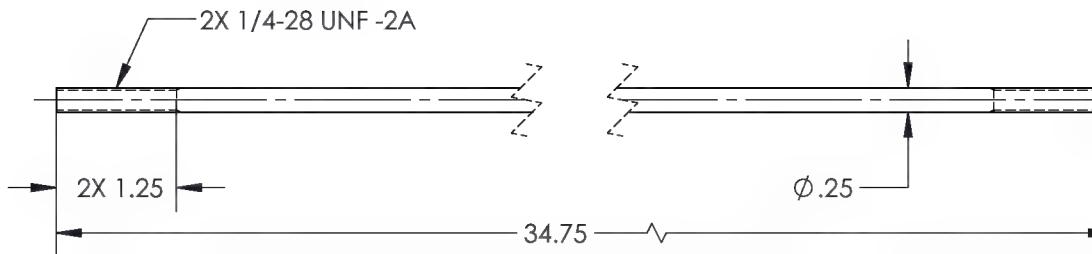
-153

REAR WHEEL VERT. SUPPORT

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-153	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
AGUSTA AW139	
SCALE	1:1
DATE	1/28/2013
SHEET 44 OF 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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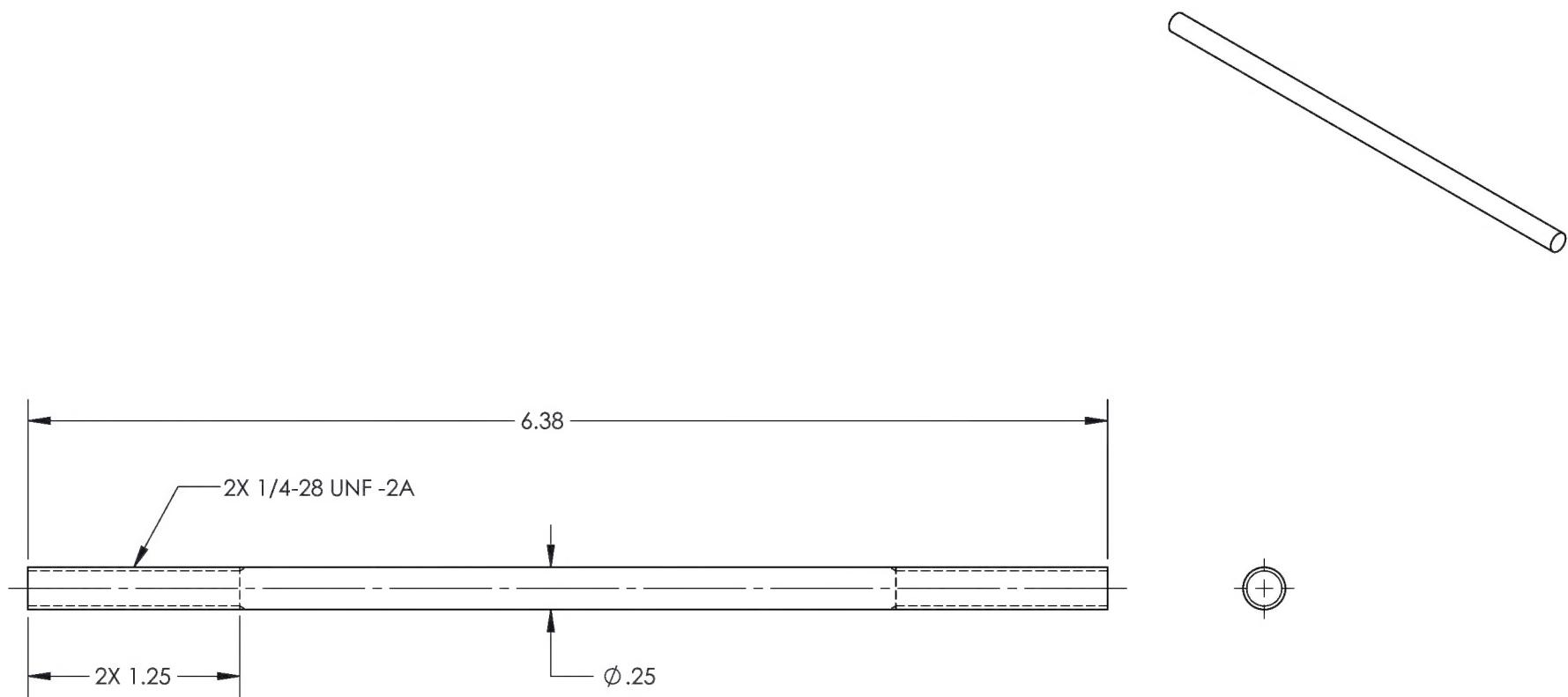
THREADED ROD

-157

<b>DART</b> AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-157	
REV 5	
<p>MAT'L 1018/1020 CR      UNLESS OTHERWISE SPECIFIED</p> <p>HEAT      DIMENSIONS ARE IN INCHES</p> <p>TREAT      .XXX ± .005      FRACTIONS ± 1/8</p> <p>FINISH ZINC PLATE      .XX ± .01      ANGLES ± 5°</p> <p>SPEC ASTM B633 TYPE I SC 2      X ± .1      SURFACES = 125 ✓</p> <p>DRAWN BY: MARPET</p> <p>CHECKED: MACKOVJAK</p> <p>OPPS APPR: ANDERSON</p> <p>QA APPR: LINDSAY      USED ON MODEL</p> <p>APPROVED: GILBERT      AGUSTA AW139</p>	
SCALE 1:2	DATE 1/28/2013
SHEET 45 OF 49	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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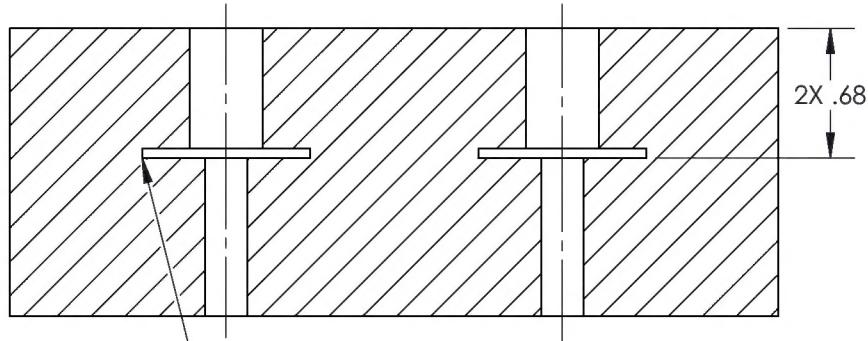
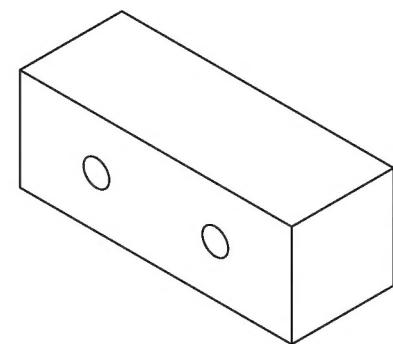
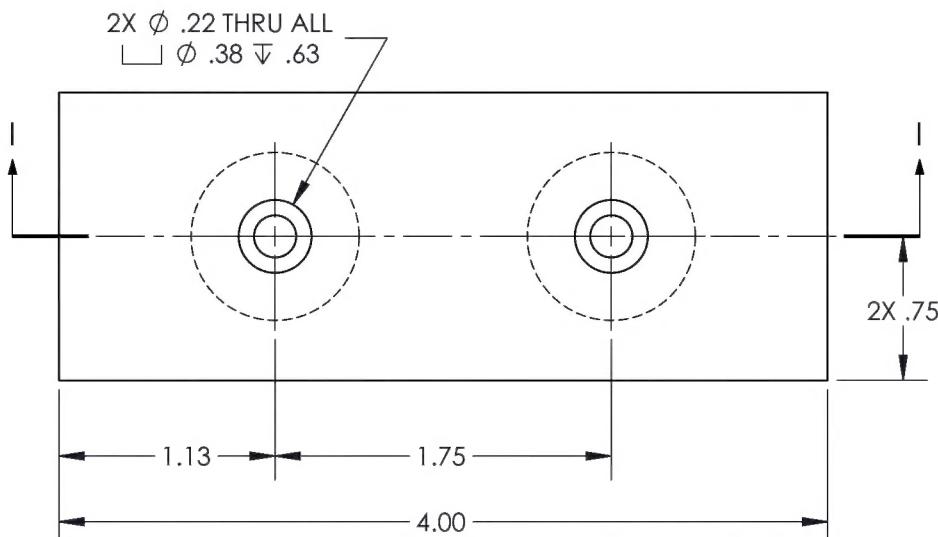
THREADED ROD

-159

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-159	
REV 5	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
MATERIAL 1018/1020 CR	
HEAT TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	MARPET
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
AGUSTA AW139	
SCALE 1:1	DATE 1/28/2013
SHEET 46 OF 49	

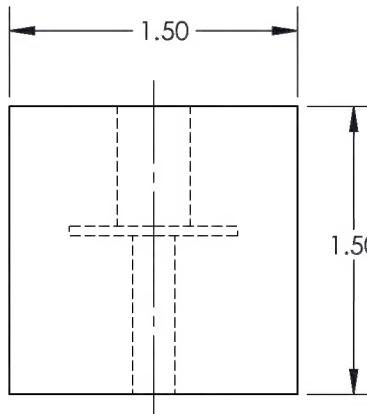
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			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029		-161 CH'D DIM WAS 2X $\phi$ .266 THRU ALL   $\phi$ .44 $\nabla$ .63 IS 2X $\phi$ .22 THRU ALL   $\phi$ .38 $\nabla$ .63.	2/9/2016	RJC	JAG



SECTION I-I

2X MOLD -257 INTO CAST

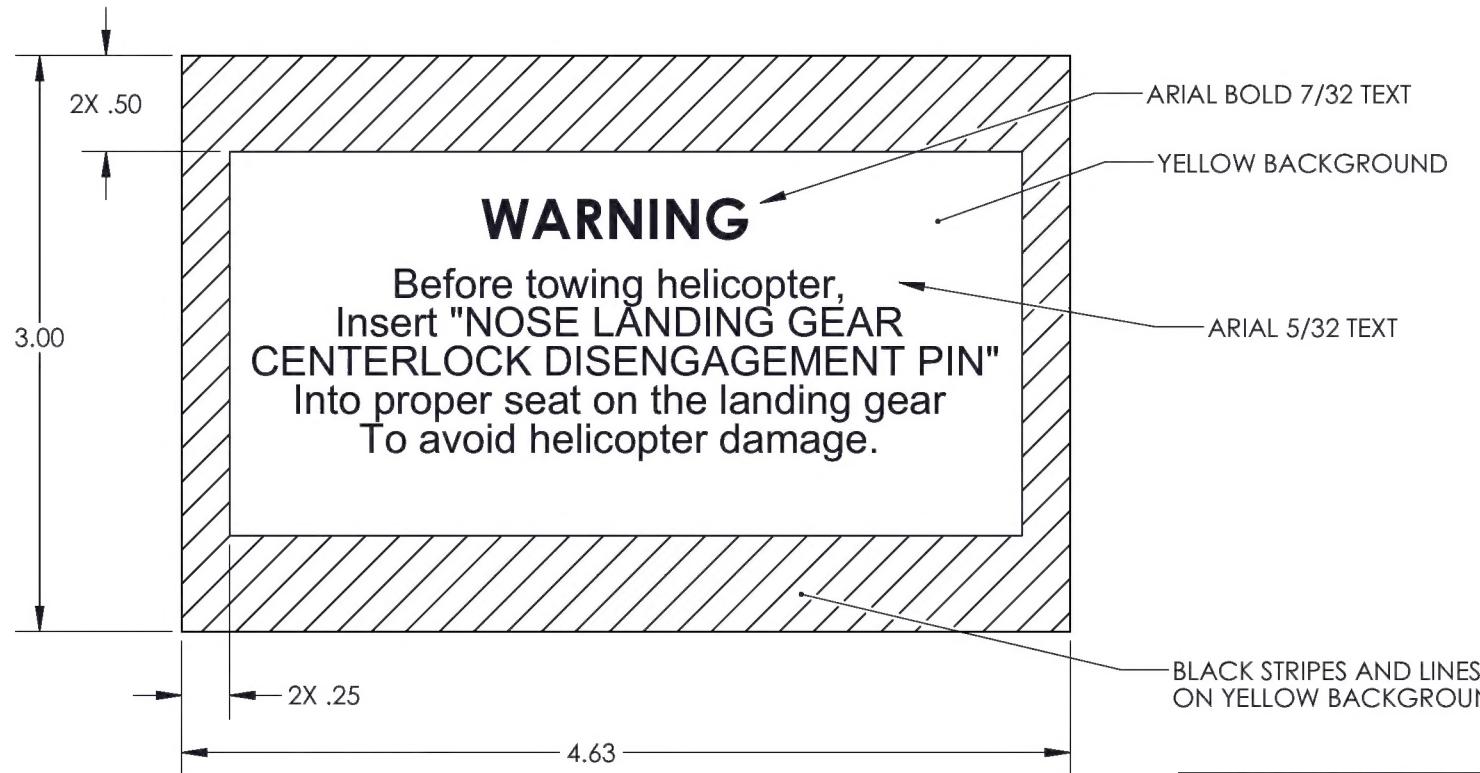


NOTE:  
CAST AS REQUIRED.

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G0134-3G-03-161	
REV 5	
MAT'L URETHANE 60A	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX $\pm$ .010 FRACTIONS $\pm$ 1/8
TREAT	.XX $\pm$ .03 ANGLES $\pm$ 1°
FINISH	X $\pm$ .1 SURFACES = 125
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
AGUSTA AW139	
SCALE	1:1
DATE	11/19/2012
SHEET 47 OF 49	

(-161)

PAD



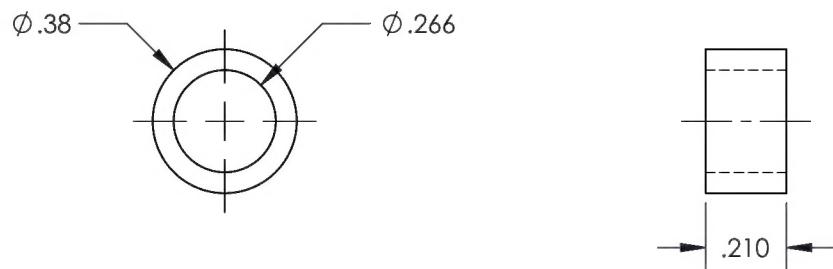
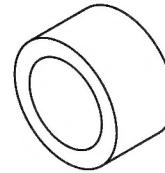
WARNING STICKER WITH ADHESIVE BACK

(-237)

TITLE		DWG NO.		REV
<b>DART</b> AEROSPACE		RBW0905G00134-36-03-237		5
MATERIAL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
HEAT	TREAT	.XXX	± .010	FRACTIONS ± 1/8
FINISH		.XX	± .03	ANGLES ± 1°
SPEC		X	± .1	SURFACES = 125 ✓
DRAWN BY:	MARPET			1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	MACKOVJAK			2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	ANDERSON			3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	LINDSAY			USED ON MODEL
APPROVED:	GILBERT			
SCALE	1:1	DATE	2/5/2013	SHEET 48 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-251 ADDED DRAWING FOR MODIFIED B/O.	2/2/2015	RJC	JAG



-251

SLEEVE

DART AEROSPACE	
TITLE	
TOW DOLLY	
DWG NO. RBW0905G00134-3G-251	
REV 5	
MATERIAL BRONZE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .005 FRACTIONS ± 1/8	
TREAT .XX ± .01 ANGLES ± 5°	
FINISH X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY: CLOUGH	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL AW139	
SCALE 2:1	DATE 1/23/2013
SHEET 49 OF 49	